

**Flood Control Project Maintenance  
Levee Inspections****LMA District Cover Sheet****Spring 2015 Levee Inspection Results****Reclamation District No. 0003 Grand Island**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*  
**SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

**FALL INSPECTIONS:** The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2015 Levee Inspection Results**

**Reclamation District No. 0003 Grand Island**

Waterway			Bank	Unit Miles
Unit No. 01 Left Bank Steamboat Slough			Left	10.95
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/16/2015 - 03/16/2015			
DWR Inspector	Richard Willoughby			
Accompanied By	Michael Moncrief MBK Engineers			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	102
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_RD0003_01_s _ 2013_102				
Action/Comments					
Inspector Comments: LMA has a copy of the O & M manual on file at district office.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	103	
LM End	0.00	Issue Type +	Ma	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Emergency Supplies & Equipment				°	°
					°	°
DWR ID	DWR_RD0003_01_s _ 2013_103					
Action/Comments						
Inspector Comments: The LMA has an adequate flood fight supplies and equipment to respond to a flood emergency.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	104	
LM End	0.00	Issue Type +	Ma	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Flood Preparedness & Training				°	°
					°	°
DWR ID	DWR_RD0003_01_s _ 2013_104					
Action/Comments						
Inspector Comments: The LMA is organized to respond to flood emergency.						

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	0.06	Rating **	M	Issue No.	39
LM End	0.06	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.303892 °	38.303892 °
				-121.575309 °	-121.575309 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:41583 DS_ID:22134 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe open on LS slope. Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation pipe through the levee 6.6 feet below the crown. 36-inch concrete standpipe visible 30-feet upstream from crossing on LS toe. Open on both ends. FS Date: 08/27/2014					

LM Start	0.13	Rating **	U	Issue No.	19
LM End	0.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.303305 °	38.303305 °
				-121.576537 °	-121.576537 °
DWR ID	DWR RD0003 01 f 2012 19				

Action/Comments					
Tree or limb Inspector Comments: Tree branches and limbs on waterward should.					

Photo 1 of 2 : SP\_2015\_RD0003\_24\_19\_20150309\_00018.jpg



Looking west at tree branch on waterward shoulder and slope. (Fall 2014)

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	0.13	Rating **	U	Issue No.	19 (cont)
LM End	0.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.303305 °	38.303305 °
				-121.576537 °	-121.576537 °
DWR ID	DWR_RD0003_01_f_2012_19				
Action/Comments					
Tree or limb					
Inspector Comments: Tree branches and limbs on waterward should.					

Photo 2 of 2 : SP\_2015\_RD0003\_24\_19\_20150309\_00019.jpg



Looking south at tree branches on waterward shoulder. (Spring 2014)

LM Start	0.13	Rating **	M	Issue No.	2
LM End	0.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.303303 °	38.303303 °
				-121.576538 °	-121.576538 °
DWR ID	DWR_RD0003_01_f_2013_2				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Hole (8ft x 2.5ft x 5ft) next to a large tree on waterward shoulder.					

Photo 1 of 3 : SP\_2015\_RD0003\_24\_2\_20150309\_00001.jpg



Looking east at hole at base of tree on waterward shoulder. (2014)

LM Start	<b>0.13</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>0.13</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP\_2015\_RD0003\_24\_2\_20150309\_00002.jpg



Looking east at a hole next to oak tree on waterward shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	0.13	Rating **	M	Issue No.	2 (cont)	
LM End	0.13	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Erosion / Bank Caving			38.303303 °	38.303303 °	
				-121.576538 °	-121.576538 °	
DWR ID	DWR_RD0003_01_f_2013_2					
Action/Comments						
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Hole (8ft x 2.5ft x 5ft) next to a large tree on waterward shoulder.						

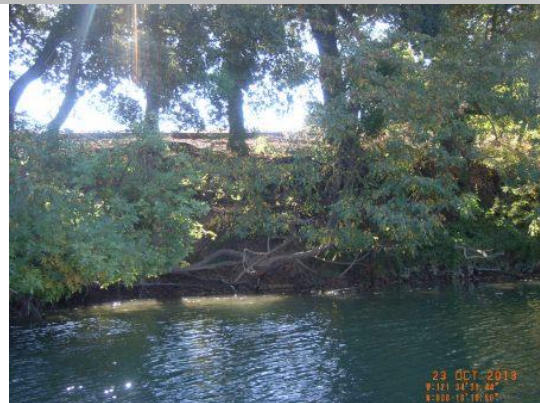
Photo 3 of 3 : SP\_2015\_RD0003\_24\_2\_20150309\_00003.jpg



Looking west at a hole next to oak tree on waterward shoulder.

LM Start	0.18	Rating **	M	Issue No.	14
LM End	0.24	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.303035 °	38.302544 °
				-121.577357 °	-121.578241 °
DWR ID	DWR_RD0003_01_f_2014_14				
Action/Comments					
Inspector Comments: 1997 - Mass failure of berm slope and wave wash erosion. Large trees on top of berm, some failed trees. New area of low rock to on the upstream end. 2000 - Some minor erosion near the downstream end. 2005 - One new small tree has fallen. 2009 - Minimal new erosion. 2010 - Minor new erosion. 2013: Observed new animal holes and vertical sections at middle of site. [2013 Site ID: STM_26-0_L]					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_14\_20150309\_00014.jpg



USACE 2013 Photo #1

LM Start	0.21	Rating **	M	Issue No.	188
LM End	0.21	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.302625 °	38.302625 °
				-121.577683 °	-121.577683 °
DWR ID	DWR_RD0003_01_s_2012_188				
Action/Comments					
Garbage					
Inspector Comments: Landowner has piled wooden boards and trash on waterside berm.					

Photo 1 of 4 : SP\_2015\_RD0003\_24\_188\_20150309\_00078.jpg



Looking southwest at garbage on waterward berm. (Fall 2014)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	0.21	Rating **	M	Issue No.	188 (cont)
LM End	0.21	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.302625 °	38.302625 °
				-121.577683 °	-121.577683 °
DWR ID	DWR_RD0003_01_s_2012_188				
Action/Comments					
Garbage					
Inspector Comments: Landowner has piled wooden boards and trash on waterside berm.					

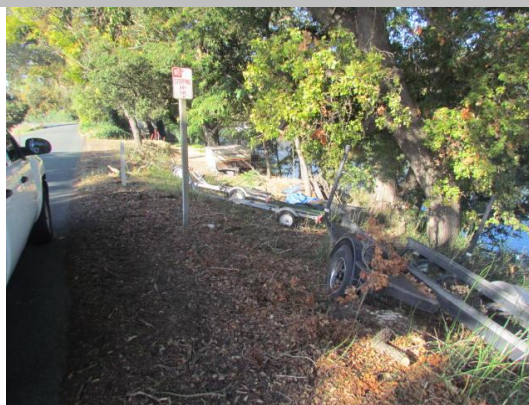
Photo 2 of 4 : SP\_2015\_RD0003\_24\_188\_20150309\_00079.jpg



Looking southwest at garbage and equipment on waterward berm. (Fall 2014)

LM Start	<b>0.21</b>	Rating **	M	Issue No.	<b>188 (cont)</b>
LM End	<b>0.21</b>	Issue Type +	En	Location *	WS

Photo 3 of 4 : SP\_2015\_RD0003\_24\_188\_20150309\_00080.jpg



Looking southwest at equipment and garbage stored on waterward slope and toe. (Spring 2014)

LM Start	<b>0.21</b>	Rating **	M	Issue No.	<b>188 (cont)</b>
LM End	<b>0.21</b>	Issue Type +	En	Location *	WS

Photo 4 of 4 : SP\_2015\_RD0003\_24\_188\_20150309\_00081.jpg



Looking southwest at trash on waterside berm. (Spring 2014)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

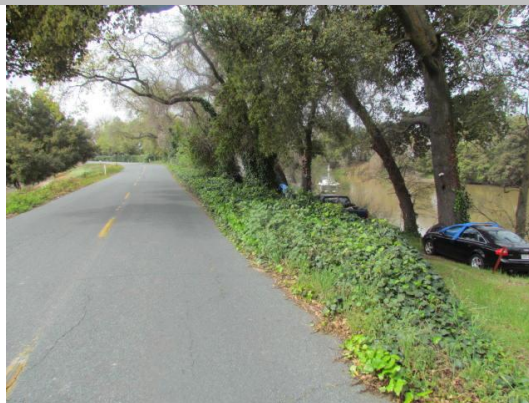
**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	0.22	Rating **	U	Issue No.	6
LM End	0.33	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.302530 °	38.301424 °
				-121.577848 °	-121.579113 °
DWR ID	DWR_RD0003_01_s _ 2012_6				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_6\_20150309\_00006.jpg



Looking southwest at landscaping on waterside shoulder and slope.

LM Start	0.39	Rating **	A/W	Issue No.	3
LM End	0.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.300492 °	38.300492 °
				-121.579454 °	-121.579454 °
DWR ID	DWR_RD0003_01_s _ 2012_3				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.46	Rating **	M	Issue No.	22
LM End	0.46	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.299690 °	38.299690 °
				-121.579959 °	-121.579959 °
DWR ID	DWR_RD0003_01_f _ 2012_22				
Action/Comments					
Landscaping					
Inspector Comments: Century plant on landward shoulder.					

Photo 1 of 2 : SP\_2015\_RD0003\_24\_22\_20150309\_00023.jpg



Looking south at century plant on landward shoulder.(Fall 2014)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	0.46	Rating **	M	Issue No.	22 (cont)
LM End	0.46	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.299690 °	38.299690 °
				-121.579959 °	-121.579959 °
DWR ID	DWR_RD0003_01_f_2012_22				
Action/Comments					
Landscaping					
Inspector Comments: Century plant on landward shoulder.					

Photo 2 of 2 : SP\_2015\_RD0003\_24\_22\_20150309\_00024.jpg



Looking southeast at century plant on landside shoulder.(Spring 2014)

LM Start	0.58	Rating **	C	Issue No.	1
LM End	0.58	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.298038 °	38.298038 °
				-121.580895 °	-121.580895 °
DWR ID	DWR_RD0003_01_s_2012_1				
Action/Comments					
Pipe					

No Photos

LM Start	0.91	Rating **	M	Issue No.	10
LM End	0.96	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.293386 °	38.292675 °
				-121.582554 °	-121.582741 °
DWR ID	DWR_RD0003_01_f_2014_10				
Action/Comments					
Inspector Comments: 1997 - Erosion of sandy levee on top left bank. Site is downstream of a rock section. Large riparian trees on the bank. 1999 - Upstream half of the reach repaired with rock, except for a 30 ft reach at the upstream end. 2001 - Rock repair on the upstream and downstream ends; no revetment at the trees. 2002 - Rock repair is starting to slide off the geotextile at the upstream end. 2005 - One new small tree has fallen. 2006 - 50 ft pocket at the downstream end and at the upstream end with new rock in between. 2007 - Upstream end has been repaired. 2010 - Some minor new erosion. 2011 - Minor new erosion. 2012 - Minor new erosion at the toe. 2013: No observed changes. [2013 Site ID: STM_25-0_L]					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_10\_20150309\_00010.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	0.96	Rating **	C	Issue No.	30
LM End	0.96	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.292662 °	38.292662 °
				-121.582536 °	-121.582536 °
DWR ID	DWR_RD0003_01_s _ 2012_30				
Action/Comments					
Pipe					
Inspector Comments: Irrigation intake pipe through levee.					

No Photos

LM Start	1.00	Rating **	C	Issue No.	31
LM End	1.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292052 °	38.291724 °
				-121.582671 °	-121.582729 °
DWR ID	DWR_RD0003_01_s _ 2012_31				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Vegetation on levee slope.					

No Photos

LM Start	1.03	Rating **	M	Issue No.	4
LM End	1.18	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.291695 °	38.289575 °
				-121.582993 °	-121.583092 °
DWR ID	DWR_RD0003_01_f _ 2014_4				
Action/Comments					
Inspector Comments: 2008 - Area closed sign on bank. Newly fallen trees at both ends and pop outs along the bank. 2010 - Site extended downstream. 2011 - New erosion at the toe. More trees popouts. 2013: Short vertical sections observed at the downstream end. [2013 Site ID: STM_24-8_L]					

Photo 1 of 2 : SP\_2015\_RD0003\_24\_4\_20150309\_00004.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	1.03	Rating **	M	Issue No.	4 (cont)	
LM End	1.18	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	USACE Erosion Survey			38.291695 °	38.289575 °	
				-121.582993 °	-121.583092 °	
DWR ID	DWR_RD0003_01_f_2014_4					
Action/Comments						
Inspector Comments: 2008 - Area closed sign on bank. Newly fallen trees at both ends and pop outs along the bank. 2010 - Site extended downstream. 2011 - New erosion at the toe. More trees popouts. 2013: Short vertical sections observed at the downstream end. [2013 Site ID: STM_24-8_L]						

Photo 2 of 2 : SP\_2015\_RD0003\_24\_4\_20150309\_00005.jpg



USACE 2013 Photo #2

LM Start	1.04	Rating **	M	Issue No.	132
LM End	1.04	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.291528 °	38.291528 °
				-121.582767 °	-121.582767 °
DWR ID	DWR_RD0003_01_f_2014_132				
Action/Comments					
Sign					
Inspector Comments: Unauthorized sign on waterward should.					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_132\_20150309\_00077.jpg



Looking southwest at sign on waterward shoulder.

LM Start	1.07	Rating **	U	Issue No.	12
LM End	1.08	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.291055 °	38.290898 °
				-121.582765 °	-121.582777 °
DWR ID	DWR_RD0003_01_s_2012_12				
Action/Comments					
Landscaping					

Photo 1 of 2 : SP\_2015\_RD0003\_24\_12\_20150309\_00011.jpg



Looking northeast at dense landscape on landward slope. (Spring 2013)

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	1.07	Rating **	U	Issue No.	12 (cont)
LM End	1.08	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.291055 °	38.290898 °
				-121.582765 °	-121.582777 °
DWR ID	DWR_RD0003_01_s_2012_12				
Action/Comments					
Landscaping					

Photo 2 of 2 : SP\_2015\_RD0003\_24\_12\_20150309\_00012.jpg



Looking southeast at landscaping on landside slope.

LM Start	1.21	Rating **	U	Issue No.	21
LM End	1.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.289130 °	38.288327 °
				-121.582800 °	-121.582822 °
DWR ID	DWR_RD0003_01_s_2013_21				
Action/Comments					
Landscaping					
Inspector Comments: Landscaping has in place for several years.					

Photo 1 of 2 : SP\_2015\_RD0003\_24\_21\_20150309\_00021.jpg



Looking north at dense landscaping on landward shoulder and slope.

LM Start	<b>1.21</b>	Rating **	U	Issue No.	<b>21 (cont)</b>
LM End	<b>1.26</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2015\_RD0003\_24\_21\_20150309\_00022.jpg



Looking southeast at dense landscape (Oleanders) on landward shoulder and slope.

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	1.27	Rating **	A/W	Issue No.	5
LM End	1.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.288183 °	38.287433 °
				-121.582808 °	-121.582982 °
DWR ID	DWR_RD0003_01_s _ 2012_5				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.32	Rating **	C	Issue No.	32
LM End	1.32	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.287518 °	38.287518 °
				-121.582953 °	-121.582953 °
DWR ID	DWR_RD0003_01_s _ 2012_32				
Action/Comments					
Pipe					
Inspector Comments: Irrigation intake pipe.					

No Photos

LM Start	1.33	Rating **	M	Issue No.	52
LM End	1.33	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.287515 °	38.287515 °
				-121.582925 °	-121.582925 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31287					
DS_ID:24838					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Appears abandoned and if so should be done so properly.					
FIELD_STRUCT_DESC: *ABANDONED* 2.5-inch galvanized iron irrigation pipe through the levee 4-feet below the crown. 1.25-inch galvanized iron electrical conduit at same location.					
FS Date: 02/13/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	1.39	Rating **	M	Issue No.	33
LM End	1.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.286623 °	38.286614 °
				-121.583586 °	-121.583583 °
DWR ID	DWR_RD0003_01_s _ 2012_33				
Action/Comments					
Equipment					
Inspector Comments: Equipment and firewood on landward toe.					

LM Start	1.39	Rating **	M	Issue No.	33 (cont)
LM End	1.39	Issue Type +	En	Location *	LS

LM Start	1.39	Rating **	M	Issue No.	33 (cont)
LM End	1.39	Issue Type +	En	Location *	LS

Photo 1 of 3 : SP\_2015\_RD0003\_24\_33\_20150309\_00039.jpg



Looking east at firewood on landward toe. (Fall 2014)

Photo 2 of 3 : SP\_2015\_RD0003\_24\_33\_20150309\_00040.jpg



Looking east at tool shed and equipment on landside toe.

Photo 3 of 3 : SP\_2015\_RD0003\_24\_33\_20150309\_00041.jpg



Equipment within 10' of levee toe obstructs access and visibility.

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

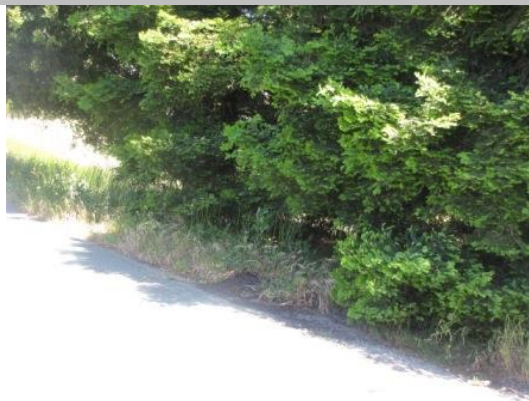
LM Start	1.59	Rating **	U	Issue No.	15
LM End	1.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.284777 °	38.284777 °
				-121.586340 °	-121.586340 °
DWR ID	DWR_RD0003_01_s _ 2012_15				
Action/Comments					
Landscaping					
Inspector Comments: Large redwood trees on landward shoulder.					

Photo 1 of 2 : SP\_2015\_RD0003\_24\_15\_20150309\_00015.jpg

Looking southeast at dense trees on landside shoulder and slope.  
(updated Spring 2012)

LM Start	<b>1.59</b>	Rating **	U	Issue No.	<b>15 (cont)</b>
LM End	<b>1.59</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2015\_RD0003\_24\_15\_20150309\_00016.jpg



Looking southeast at dense trees on landside shoulder and slope.

LM Start	1.60	Rating **	U	Issue No.	7
LM End	1.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.284645 °	38.284645 °
				-121.586534 °	-121.586534 °
DWR ID	DWR_RD0003_01_s _ 2012_7				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_7\_20150309\_00007.jpg



Looking south at dense landscaping on landside shoulder and slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	1.61	Rating **	C	Issue No.	34
LM End	1.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.284604 °	38.284604 °
				-121.586597 °	-121.586597 °
DWR ID	DWR_RD0003_01_s _ 2012_34				
Action/Comments					
Pipe					
Inspector Comments: USGS equipment and pipe penetration.					

No Photos

LM Start	1.61	Rating **	U	Issue No.	16
LM End	1.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.284574 °	38.284177 °
				-121.586631 °	-121.587208 °
DWR ID	DWR_RD0003_01_s _ 2012_16				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_16\_20150309\_00017.jpg



Looking southwest at dense landscaping on landside shoulder and slope.

LM Start	1.76	Rating **	M	Issue No.	8
LM End	1.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.282771 °	38.282771 °
				-121.588227 °	-121.588227 °
DWR ID	DWR_RD0003_01_s _ 2012_8				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_8\_20150309\_00008.jpg



Looking east at vegetation on landside slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	1.77	Rating **	C	Issue No.	11
LM End	1.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				°
					°
DWR ID	DWR_RD0003_01_s _ 2012_11				
Action/Comments					
Prunings					

No Photos

LM Start	1.86	Rating **	C	Issue No.	35
LM End	1.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.281442 °	38.281442 °
				-121.588495 °	-121.588495 °
DWR ID	DWR_RD0003_01_s _ 2012_35				
Action/Comments					
Pipe					
Inspector Comments: Irrigation intake pipe penetration.					

No Photos

LM Start	2.05	Rating **	M	Issue No.	36
LM End	2.05	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.278615 °	38.278615 °
				-121.588727 °	-121.588727 °
DWR ID	DWR_RD0003_01_s _ 2012_36				
Action/Comments					
Pipe					
Inspector Comments: Pump shed on waterside slope.					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_36\_20150309\_00042.jpg



Pipe penetration and pump shed on waterside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	2.12	Rating **	C	Issue No.	37
LM End	2.12	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.277722 °	38.277722 °
				-121.589389 °	-121.589389 °
DWR ID	DWR_RD0003_01_s_2012_37				
Action/Comments					
Pipe					

No Photos

LM Start	2.38	Rating **	M	Issue No.	26
LM End	2.38	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.274775 °	38.274775 °
				-121.588295 °	-121.588295 °
DWR ID	DWR_RD0003_01_s_2013_26				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_26\_20150309\_00030.jpg



Looking east at dense landscaping on landward slope.

LM Start	2.41	Rating **	M	Issue No.	63
LM End	2.41	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.274633 °	38.274633 °
				-121.588121 °	-121.588121 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:29569					
DS_ID:22324					
EP_NO: 4346					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Pipe is abandoned and should be verified as having been done so properly.					
FIELD_STRUCT_DESC: 6-inch diameter steel irrigation pipe through the levee, 1.5 feet below the crown. Pump visible at LS toe. (Permit No. 4346 - Hamatani Bros.) O&M Manual SAC 104, February 1960.					
FS Date: 02/13/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	2.41	Rating **	U	Issue No.	28
LM End	2.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.274468 °	38.274468 °
				-121.587852 °	-121.587852 °
DWR ID	DWR_RD0003_01_s _ 2013_28				
Action/Comments					
Building					
Inspector Comments: Storage shed at landside toe.					

Photo 1 of 2 : SP\_2015\_RD0003\_24\_28\_20150309\_00034.jpg



Looking north at storage shed at landward toe.

LM Start	<b>2.41</b>	Rating **	U	Issue No.	<b>28 (cont)</b>
LM End	<b>2.41</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2015\_RD0003\_24\_28\_20150309\_00035.jpg



Looking northeast at storage shed at landward toe.

LM Start	2.44	Rating **	C	Issue No.	40
LM End	2.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.274123 °	38.274123 °
				-121.587694 °	-121.587694 °
DWR ID	DWR_RD0003_01_s _ 2012_40				
Action/Comments					
Pipe					
Inspector Comments: Irrigation intake pipe penetration.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	2.45	Rating **	C	Issue No.	101
LM End	2.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				°
					°
DWR ID	DWR_RD0003_01_s_2013_101				
Action/Comments					
Material Inspector Comments: Landowner is stockpiling grass clippings on waterward slope.					

No Photos

LM Start	2.53	Rating **	M	Issue No.	29
LM End	2.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.272845 °	38.271070 °
				-121.587665 °	-121.588632 °
DWR ID	DWR_RD0003_01_s_2013_29				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	2.56	Rating **	M	Issue No.	88
LM End	2.56	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.272613 °	38.272613 °
				-121.587821 °	-121.587821 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:29567					
DS_ID:22146					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to verify proper abandonment of irrigation pipe.					
FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel pipe through the					
levee, 4.2 feet below the crown. 5'X7' concrete distribution box at the					
landward toe. Cannot see pipe on the waterside. O&M Manual SAC					
104, February 1960.					
FS Date: 02/13/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	2.60	Rating **	C	Issue No.	13
LM End	2.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				°
					°
DWR ID	DWR_RD0003_01_f_2013_13				
Action/Comments					
Tree or limb					
Inspector Comments: Broken tree limbs on waterward shoulder.					

No Photos

LM Start	2.68	Rating **	A/W	Issue No.	38
LM End	2.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.270768 °	38.270768 °
				-121.588663 °	-121.588663 °
DWR ID	DWR_RD0003_01_s_2013_38				
Action/Comments					
Tree or limb					
Inspector Comments: Broken tree limb on waterward slope.					

No Photos

LM Start	2.82	Rating **	M	Issue No.	41
LM End	2.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.268844 °	38.268844 °
				-121.588264 °	-121.588264 °
DWR ID	DWR_RD0003_01_s_2012_41				
Action/Comments					
Landscaping					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	2.87	Rating **	U	Issue No.	48
LM End	2.87	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.268257 °	38.268257 °
				-121.587677 °	-121.587677 °
DWR ID	DWR_RD0003_01_s_2013_48				
Action/Comments					
Building					
Inspector Comments: Storage shed has been here for several years on waterward berm. Storage shed appears to be abandoned and should be removed.					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_48\_20150309\_00046.jpg



Looking northwest at storage shed on waterward berm.

LM Start	2.89	Rating **	A/W	Issue No.	105
LM End	2.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				◦
					◦
DWR ID	DWR_RD0003_01_f_2013_105				
Action/Comments					
Garbage Inspector Comments: Tin roofing material on waterward berm.					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_105\_20150309\_00074.jpg



Looking west at tin roofing material on waterward berm.

LM Start	2.91	Rating **	A/W	Issue No.	100
LM End	2.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.267750 °	38.267750 °
				-121.587463 °	-121.587463 °
DWR ID	DWR_RD0003_01_s_2013_100				
Action/Comments					
Prunings					
Inspector Comments: Grass clippings on waterward slope. Grass clippings outside 20ft. Zone.					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_100\_20150309\_00072.jpg



Looking southwest at grass clippings on waterward berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	2.92	Rating **	C	Issue No.	42
LM End	2.92	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.267578 °	38.267578 °
				-121.587391 °	-121.587391 °
DWR ID	DWR_RD0003_01_s _ 2012_42				
Action/Comments					
Pipe					

No Photos

LM Start	2.94	Rating **	M	Issue No.	89
LM End	2.94	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.267565 °	38.267565 °
				-121.587390 °	-121.587390 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:29563 DS_ID:22148 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pitted holes on slant pump intake may indicate internal problem. Good candidate for video inspection. FIELD_STRUCT_DESC: 14-inch steel irrigation pipe though the levee, 6.3 feet below the crown. Service pole on the landward slope. 1-1/2-inch electrical conduit through the levee to pump. 36-inch concrete standpipe on LS toe. O&M Manual SAC 104, February 1960. FS Date: 02/13/2014					

No Photos

LM Start	3.06	Rating **	C	Issue No.	46
LM End	3.06	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.265510 °	38.265510 °
				-121.587167 °	-121.587167 °
DWR ID	DWR_RD0003_01_s _ 2012_46				
Action/Comments					
Pipe					
Inspector Comments: 2 pipe penetrations.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	3.09	Rating **	M	Issue No.	108
LM End	3.09	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.265509 °	38.265509 °
				-121.587134 °	-121.587134 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31327 DS_ID:22149 EP_NO: 6870 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion on LS slope between pumphouse and tank. FIELD_STRUCT_DESC: 1 of 3: 18-inch steel irrigation pipe through the levee, 5.5-feet below the crown. Primer pump in pump house on landward slope. Tank and filler pipes on LS slope. O&M Manual SAC 104, February 1960. (Permit No. 6870). FS Date: 02/13/2014					

No Photos

LM Start	3.11	Rating **	M	Issue No.	20
LM End	3.13	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.264902 °	38.264580 °
				-121.587193 °	-121.587220 °
DWR ID	DWR_RD0003_01_s_2012_20				
Action/Comments					
Landscaping					
Inspector Comments: Oleander on landside shoulder.					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_20\_20150309\_00020.jpg



Looking northeast at dense veg. on landside slope.

LM Start	3.16	Rating **	N	Issue No.	47
LM End	3.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.264154 °	38.264154 °
				-121.587242 °	-121.587242 °
DWR ID	DWR_RD0003_01_s_2012_47				
Action/Comments					
Tree stumps.					
Inspector Comments: 6 large stumps on slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	3.24	Rating **	C	Issue No.	49
LM End	3.24	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.263071 °	38.263071 °
				-121.587549 °	-121.587549 °
DWR ID	DWR_RD0003_01_s _ 2012_49				
Action/Comments					
Pipe					
Inspector Comments: Pipe crossing					

No Photos

LM Start	3.26	Rating **	M	Issue No.	109
LM End	3.26	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.263075 °	38.263075 °
				-121.587451 °	-121.587451 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:29547 DS_ID:22151 EP_NO: 1113 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump pier is damaged and falling into the water. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 4.0-feet below the crown, vertical pump on pile structure in stream. Walkway from berm to pump. 1.5-inch electrical conduit and 2.5-inch filler pipe at same location. 36-inch concrete standpipe on LS toe. (Permit No. 1113 - Dixon, 1946) O&M Manual SAC 104, February 1960. FS Date: 02/13/2014					

No Photos

LM Start	3.30	Rating **	A/W	Issue No.	51
LM End	3.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.262289 °	38.262289 °
				-121.588250 °	-121.588250 °
DWR ID	DWR_RD0003_01_s _ 2012_51				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Cactus					

Photo 1 of 2 : SP\_2015\_RD0003\_24\_51\_20150309\_00048.jpg



Looking southeast at cactus mowed/removed by the district

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	3.30	Rating **	A/W	Issue No.	51 (cont)
LM End	3.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.262289 °	38.262289 °
				-121.588250 °	-121.588250 °
DWR ID	DWR_RD0003_01_s _ 2012_51				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Cactus					

Photo 2 of 2 : SP\_2015\_RD0003\_24\_51\_20150309\_00049.jpg



Large cactus on upper levee slope obstructs access and visibility.

LM Start	3.80	Rating **	C	Issue No.	53
LM End	3.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.258481 °	38.258481 °
				-121.593753 °	-121.593753 °
DWR ID	DWR_RD0003_01_s _ 2012_53				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	3.82	Rating **	M	Issue No.	9
LM End	3.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.258222 °	38.257453 °
				-121.593793 °	-121.593942 °
DWR ID	DWR_RD0003_01_s _ 2012_9				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_9\_20150309\_00009.jpg



Looking southeast at trees on landward shoulder and slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	3.85	Rating **	M	Issue No.	110
LM End	3.85	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.258166 °	38.258166 °
				-121.593801 °	-121.593801 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:29530 DS_ID:22317 EP_NO: 17221 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Open trench along WS slope paralell to river. FIELD_STRUCT_DESC: 7-inch steel conduit through the levee 4-feet below the crown. 1.5 and 4-inch-diameter pvc pipes sleeved through the 7-inch steel pipe, steps on the waterside slope. A tank is on the LS shoulder (Permit No. 17221). Conduit provides service to boat dock just upstream. FS Date: 02/13/2014					

No Photos

LM Start	4.09	Rating **	C	Issue No.	54
LM End	4.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.254844 °	38.254844 °
				-121.596045 °	-121.596045 °
DWR ID	DWR_RD0003_01_s_2012_54				
Action/Comments					
Pipe					

No Photos

LM Start	4.13	Rating **	C	Issue No.	55
LM End	4.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.254455 °	38.254092 °
				-121.596635 °	-121.597554 °
DWR ID	DWR_RD0003_01_s_2012_55				
Action/Comments					
Prunings					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	4.14	Rating **	M	Issue No.	111
LM End	4.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.254605 °	38.254605 °
				-121.596371 °	-121.596371 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31583					
DS_ID:22160					
EP_NO: 7948					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Siphon breaker missing from LS shoulder.					
FIELD_STRUCT_DESC: 14-inch steel pipe through the levee 4.5-feet below the crown. Pump platform and slant pump on the waterward slope. Siphon breaker at the landward shoulder. 36-inch concrete standpipe off LS toe. 1.5-inch galvanized iron electrical conduit at same location (Permit No. 7948-VanLoben Sels) O&M SAC 104, February 1960.					
FS Date: 02/13/2014					

No Photos

LM Start	4.14	Rating **	M	Issue No.	112
LM End	4.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.254596 °	38.254596 °
				-121.596392 °	-121.596392 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31584 DS_ID:22158 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 12-inch steel irrigation siphon pipe through the levee, 2.7-feet below the crown. Pump and tank visible in box on LS shoulder. Electrical panel on slope with concrete standpipe on LS toe. O&M Manual SAC 104, February 1960. FS Date: 02/13/2014					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	4.15	Rating **	C	Issue No.	56
LM End	4.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.254311 °	38.254311 °
				-121.596956 °	-121.596956 °
DWR ID	DWR_RD0003_01_s _ 2012_56				
Action/Comments					
Pipe					

No Photos

LM Start	4.27	Rating **	A/W	Issue No.	57
LM End	4.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.253800 °	38.251824 °
				-121.599100 °	-121.600980 °
DWR ID	DWR_RD0003_01_s _ 2012_57				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_57\_20150309\_00050.jpg



Vegetation on levee slopes and toe partially obstruct visibility.

LM Start	4.38	Rating **	C	Issue No.	58
LM End	4.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.252971 °	38.252971 °
				-121.600710 °	-121.600710 °
DWR ID	DWR_RD0003_01_s _ 2012_58				
Action/Comments					
Pipe					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	4.41	Rating **	U	Issue No.	113
LM End	4.41	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.252959 °	38.252959 °
				-121.600707 °	-121.600707 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42866 DS_ID:22163 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe disconnected or diverted on LS shoulder and leaking. Water runs down LS slope freely causing erosion. Siphon breaker not visible in CMP riser. Walkway to pump in poor structural condition. FIELD_STRUCT_DESC: 10-inch pipe through the levee, 4 feet below the crown, siphon breaker in CMP riser on the landward shoulder. Slant pump on pile structure in stream. Pipe exposed on the waterward berm. 36-inch concrete standpipe off LS toe. 1-1/2-inch conduit through the levee, 2.0 feet below the crown at same location (Charlotte K.Hales) USCE, Unit 10, 1966. FS Date: 02/13/2014					

No Photos

LM Start	4.76	Rating **	M	Issue No.	50
LM End	4.76	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.247563 °	38.247563 °
				-121.600865 °	-121.600865 °
DWR ID	DWR_RD0003_01_s_2013_50				
Action/Comments					
Landscaping					
Inspector Comments: Ivy covering lower half of landward slope and toe.					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_50\_20150309\_00047.jpg



Looking northeast at landscaping at lower half of landward slope and toe.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	5.08	Rating **	A/W	Issue No.	60
LM End	5.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.242873 °	38.242873 °
				-121.600817 °	-121.600817 °
DWR ID	DWR_RD0003_01_s _ 2013_60				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Century plant on waterward slope.					

Photo 1 of 2 : SP\_2015\_RD0003\_24\_60\_20150309\_00051.jpg



Looking west at mowed/removed century plant on waterward slope.

Photo 2 of 2 : SP\_2015\_RD0003\_24\_60\_20150309\_00052.jpg



Looking west at century plant on waterward slope.

LM Start	<b>5.08</b>	Rating **	A/W	Issue No.	<b>60 (cont)</b>
LM End	<b>5.08</b>	Issue Type +	Ma	Location *	WS

LM Start	5.13	Rating **	M	Issue No.	114
LM End	5.13	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.242649 °	38.242649 °
				-121.600854 °	-121.600854 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31286					
DS_ID:24837					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for this crossing.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	5.21	Rating **	C	Issue No.	59
LM End	5.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.240973 °	38.240973 °
				-121.601374 °	-121.601374 °
DWR ID	DWR_RD0003_01_s _ 2012_59				
Action/Comments					
Pipe					
Inspector Comments: Pipe crossing					

No Photos

LM Start	5.29	Rating **	U	Issue No.	61
LM End	5.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239886 °	38.239886 °
				-121.601752 °	-121.601752 °
DWR ID	DWR_RD0003_01_s _ 2012_61				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Century plant on landside slope next to ramp.					

Photo 1 of 2 : SP\_2015\_RD0003\_24\_61\_20150318\_00100.jpg



Looking northwest at century plants on landside slope next to ramp.

LM Start	<b>5.29</b>	Rating **	U	Issue No.	<b>61 (cont)</b>
LM End	<b>5.29</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2015\_RD0003\_24\_61\_20150309\_00053.jpg



Looking west at century plants on landside slope next to ramp.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	5.33	Rating **	M	Issue No.	43
LM End	5.36	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239276 °	38.238852 °
				-121.601899 °	-121.602000 °
DWR ID	DWR_RD0003_01_s _ 2012_43				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_43\_20150309\_00043.jpg



Looking southeast at ground cover on landward slope.

LM Start	5.45	Rating **	U	Issue No.	44
LM End	5.52	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.237690 °	38.236575 °
				-121.602231 °	-121.602155 °
DWR ID	DWR_RD0003_01_s _ 2012_44				
Action/Comments					
Landscaping					
Inspector Comments: Large century plants.					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_44\_20150309\_00044.jpg



Looking southeast at century plants on landside shoulder and slope.

LM Start	5.49	Rating **	M	Issue No.	45
LM End	5.49	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.237000 °	38.237000 °
				-121.602208 °	-121.602208 °
DWR ID	DWR_RD0003_01_s _ 2012_45				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_45\_20150309\_00045.jpg



Looking east at landscaping on landside toe.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	5.63	Rating **	C	Issue No.	62
LM End	5.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.235049 °	38.235049 °
				-121.601810 °	-121.601810 °
DWR ID	DWR_RD0003_01_s _ 2012_62				
Action/Comments					
Pipe					
Inspector Comments: Pipe crossing					

No Photos

LM Start	5.72	Rating **	A/W	Issue No.	64
LM End	5.72	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.233767 °	38.233767 °
				-121.601469 °	-121.601469 °
DWR ID	DWR_RD0003_01_s _ 2012_64				
Action/Comments					
Landscaping					
Inspector Comments: Landowner trimmed landscaping.					

Photo 1 of 2 : SP\_2015\_RD0003\_24\_64\_20150309\_00054.jpg



Looking southeast at trimmed landscaping on landside shoulder and slope. (Updated Spring 2012)

LM Start	<b>5.72</b>	Rating **	A/W	Issue No.	<b>64 (cont)</b>
LM End	<b>5.72</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2015\_RD0003\_24\_64\_20150309\_00055.jpg



Landscaping on levee slope and within 10' of levee toe obstruct visibility and access.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	5.74	Rating **	M	Issue No.	67
LM End	5.74	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.233482 °	38.233482 °
				-121.601362 °	-121.601362 °
DWR ID	DWR_RD0003_01_s _ 2013_67				
Action/Comments					
Landscaping					

No Photos

LM Start	5.94	Rating **	C	Issue No.	65
LM End	5.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.230616 °	38.230616 °
				-121.601643 °	-121.601643 °
DWR ID	DWR_RD0003_01_s _ 2012_65				
Action/Comments					
Pipe					
Inspector Comments: Pipe crossing					

No Photos

LM Start	5.98	Rating **	M	Issue No.	115
LM End	5.98	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.230620 °	38.230620 °
				-121.601588 °	-121.601588 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:29823					
DS_ID:22171					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe appears abandoned or in disrepair at siphon/vent on LS shoulder.					
FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4.0 feet below the crown. Pipe discharges into large hole at toe of the levee conected to irrigation ditches. Siphon and vent visible on LS shoulder. (New pipe 1966, Unit 10) (W. Beck) O&M Manual SAC 104, February 1960.					
FS Date: 02/11/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	6.02	Rating **	M	Issue No.	131
LM End	6.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.229436 °	38.229436 °
				-121.601700 °	-121.601700 °
DWR ID	DWR_RD0003_01_f_2014_131				
Action/Comments					
Material					
Inspector Comments: Landowner stockpiling asphalt at landside toe.					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_131\_20150309\_00076.jpg



Looking northeast at asphalt stockpile at landward toe.

LM Start	6.23	Rating **	C	Issue No.	66
LM End	6.23	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.226430 °	38.226430 °
				-121.601432 °	-121.601432 °
DWR ID	DWR_RD0003_01_s_2012_66				
Action/Comments					
Pipe					
Inspector Comments: Abandoned pipe					

No Photos

LM Start	6.27	Rating **	M	Issue No.	116
LM End	6.27	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.226427 °	38.226427 °
				-121.601370 °	-121.601370 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:29403					
DS_ID:22173					
EP_NO: 1392					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe abandoned and should be done so properly.					
FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel pipe through the					
levee, 4.5 feet below the crown. Pump removed from pile structure in					
river. Concrete standpipe on LS toe. Concrete plug on the waterward					
end (Permit No. 1392- E. Shelly)					
FS Date: 02/11/2014					

No Photos

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	6.34	Rating **	M	Issue No.	117
LM End	6.34	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.225537 °	38.225537 °
				-121.601312 °	-121.601312 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:29266					
DS_ID:22175					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Hole in pipe on WS slope may need to be sealed depending on nature of sliplined pipe.					
FIELD_STRUCT_DESC: 1 of 2: 18-inch steel irrigation siphon pipe through levee, 7.0 feet below crown. Primer pump in pump house on landward slope. O&M Manual SAC 104, February 1960. Pipe has been sliplined with an HDPE liner; PVC pipe may be attached to steel pipe on LS shoulder.					
FS Date: 02/11/2014					

No Photos

LM Start	6.50	Rating **	C	Issue No.	68
LM End	6.50	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.222481 °	38.222481 °
				-121.600987 °	-121.600987 °
DWR ID	DWR_RD0003_01_s _ 2012_68				
Action/Comments					
Pipe					
Inspector Comments: Abandoned pipe					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	6.71	Rating **	A/W	Issue No.	69
LM End	6.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.219603 °	38.219603 °
				-121.601767 °	-121.601767 °
DWR ID	DWR_RD0003_01_s _ 2012_69				
Action/Comments					
Pipe					
Inspector Comments: Drainage pipe crossing					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_69\_20150309\_00056.jpg



Interior drainage discharge pipe penetrates levee.

LM Start	6.83	Rating **	M	Issue No.	106
LM End	6.90	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				°
					°
DWR ID	DWR_RD0003_01_f _ 2013_106				
Action/Comments					
Fence					
Inspector Comments: Fencing on landward shoulder.					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_106\_20150309\_00075.jpg



Looking southeast at fencing on landward shoulder and slope.

LM Start	6.85	Rating **	C	Issue No.	70
LM End	6.85	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.217893 °	38.217893 °
				-121.603146 °	-121.603146 °
DWR ID	DWR_RD0003_01_s _ 2012_70				
Action/Comments					
Pipe					
Inspector Comments: Pipe crossing					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	6.90	Rating **	M	Issue No.	118
LM End	6.90	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.217886 °	38.217886 °
				-121.603132 °	-121.603132 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:29258 DS_ID:22179 EP_NO: 853 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Siphon breaker/vent needs proper installation/riser. FIELD_STRUCT_DESC: 12-inch steel irrigation siphon pipe through the levee, 4.0 feet below the crown, siphon breaker on the landward shoulder. 36-inch Concrete standpipe on LS toe (new pipe, 1967, Unit 10). (V. Romanini) O&M Manual SAC 104, February 1960. Replaced 8-inch pipe installed under Permit No. 853. FS Date: 02/11/2014					

LM Start	6.95	Rating **	C	Issue No.	24
LM End	6.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.216583 °	38.216583 °
				-121.603986 °	-121.603986 °
DWR ID	DWR_RD0003_01 f_2012_24				

No Photos

Action/Comments					
Garbage					

LM Start	7.00	Rating **	C	Issue No.	71
LM End	7.00	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.215976 °	38.215976 °
				-121.604370 °	-121.604370 °
DWR ID	DWR_RD0003_01_s_2012_71				

No Photos

Action/Comments					
Pipe Inspector Comments: Pipe crossing					

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	7.00	Rating **	A/W	Issue No.	93
LM End	7.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.215947 °	38.215643 °
				-121.604398 °	-121.604603 °
DWR ID	DWR_RD0003_01_s _ 2013_93				
Action/Comments					
Trim trees to at least five feet above ground level.					
Inspector Comments: Trim trees at landward toe.					

No Photos

LM Start	7.04	Rating **	A/W	Issue No.	23
LM End	7.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.215490 °	38.215355 °
				-121.604700 °	-121.604793 °
DWR ID	DWR_RD0003_01_s _ 2012_23				
Action/Comments					
Landscaping					
Inspector Comments: Remove century plant on landside shoulder and slope. Landowner removed all century plants expect for three plants.					

Photo 1 of 4 : SP\_2015\_RD0003\_24\_23\_20150318\_00101.jpg



Looking southeast at dead century plants on landward slope. (Spring 2015)

LM Start	<b>7.04</b>	Rating **	A/W	Issue No.	<b>23 (cont)</b>
LM End	<b>7.05</b>	Issue Type +	En	Location *	LS

Photo 2 of 4 : SP\_2015\_RD0003\_24\_23\_20150309\_00027.jpg



Looking southeast after landowner removed cactus plant on landward shoulder. (Spring 2014)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	7.04	Rating **	A/W	Issue No.	23 (cont)
LM End	7.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.215490 °	38.215355 °
				-121.604700 °	-121.604793 °
DWR ID	DWR_RD0003_01_s _ 2012_23				
Action/Comments					
Landscaping					
Inspector Comments: Remove century plant on landside shoulder and slope. Landowner removed all century plants expect for three plants.					

Photo 3 of 4 : SP\_2015\_RD0003\_24\_23\_20150309\_00026.jpg



Looking northeast at updated picture (5/2010) of century plants on landside shoulder and slope.

LM Start	<b>7.04</b>	Rating **	A/W	Issue No.	<b>23 (cont)</b>
LM End	<b>7.05</b>	Issue Type +	En	Location *	LS

Photo 4 of 4 : SP\_2015\_RD0003\_24\_23\_20150309\_00025.jpg



Large cactus plant on landside shoulder block view of levee slope from LM 7.08 to 7.10.

LM Start	7.04	Rating **	U	Issue No.	119
LM End	7.04	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.216040 °	38.216040 °
				-121.604289 °	-121.604289 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43044 DS_ID:22346 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe cut open on LS shoulder and along slope. 3.5-					

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	7.04	Rating **	U	Issue No.	120
LM End	7.04	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.216044 °	38.216044 °
				-121.604311 °	-121.604311 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43045 DS_ID:22180 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe sleeved with a PVC pipe that is crushed on the WS slope. Annular space not grouted. FIELD_STRUCT_DESC: 1 of 2: 14-inch steel pipe through the levee, 3.0 feet below the crown. Siphon breakers on the landward shoulder. (V. Romanini) O&M Manual SAC 104, February 1960. FS Date: 02/11/2014					

No Photos

LM Start	7.15	Rating **	M	Issue No.	121
LM End	7.15	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.214684 °	38.214684 °
				-121.605242 °	-121.605242 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:29924					
DS_ID:22181					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe appears abandoned and should be verified as having been done so properly.					
FIELD_STRUCT_DESC: 12-inch steel irrigation pipe though the levee, 3.0 feet below the crown. Siphon breaker in 24-inch CMP riser on the LS shoulder. 4-foot diameter concrete standpipe on LS toe (V. Romanini) O&M Manual SAC 104, February 1960.					
FS Date: 02/11/2014					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	7.17	Rating **	A/W	Issue No.	72
LM End	7.44	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.213785 °	38.210179 °
				-121.605671 °	-121.607686 °
DWR ID	DWR_RD0003_01_s_2012_72				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Vegetation near boat launch obstructs visibility.					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_72\_20150309\_00057.jpg



Vegetation on levee slope near boat launch is partially obstructive.

LM Start	7.44	Rating **	A/W	Issue No.	73
LM End	7.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.210178 °	38.210178 °
				-121.607687 °	-121.607687 °
DWR ID	DWR_RD0003_01_s_2012_73				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	7.63	Rating **	U	Issue No.	74
LM End	7.63	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.207666 °	38.207666 °
				-121.609327 °	-121.609327 °
DWR ID	DWR_RD0003_01_s_2012_74				
Action/Comments					
Building					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_74\_20150309\_00058.jpg



Buildings obstruct access and visibility of levee slope and toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	7.64	Rating **	U	Issue No.	75
LM End	7.64	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.207640 °	38.207640 °
				-121.609334 °	-121.609334 °
DWR ID	DWR_RD0003_01_s _ 2012_75				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_75\_20150309\_00059.jpg



Looking southwest at landscaping in front of a house on waterside berm.  
Also not in the picture a building on landside berm.

LM Start	7.68	Rating **	M	Issue No.	76
LM End	7.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.207036 °	38.207036 °
				-121.609540 °	-121.609540 °
DWR ID	DWR_RD0003_01_s _ 2012_76				
Action/Comments					
Landscaping					

No Photos

LM Start	7.75	Rating **	A/W	Issue No.	971
LM End	7.77	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.205964 °	38.205733 °
				-121.609576 °	-121.609608 °
DWR ID	DWR_RD0003_01_s _ 2012_971				
Action/Comments					
Landscaping					

Photo 1 of 2 : SP\_2015\_RD0003\_24\_971\_20150309\_00082.jpg



Side view of dense trees at landside toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	7.75	Rating **	A/W	Issue No.	971 (cont)	
LM End	7.77	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.205964 °		38.205733 °
				-121.609576 °		-121.609608 °
DWR ID	DWR_RD0003_01_s _ 2012_971					
Action/Comments						
Landscaping						

Photo 2 of 2 : SP\_2015\_RD0003\_24\_971\_20150309\_00083.jpg



Front view of dense trees at landside toe.

LM Start	7.80	Rating **	A/W	Issue No.	77
LM End	7.80	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.205254 °	38.205254 °
				-121.609686 °	-121.609686 °
DWR ID	DWR_RD0003_01_s _ 2012_77				
Action/Comments					
Pipe Inspector Comments: Pipe crossing					

No Photos

LM Start	7.80	Rating **	U	Issue No.	78
LM End	8.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.205243 °	38.198989 °
				-121.609689 °	-121.611815 °
DWR ID	DWR_RD0003_01_s _ 2012_78				
Action/Comments					
Landscaping					
Inspector Comments: Trees within 10' of levee toe obstruct access and visibility of levee toe.					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_78\_20150309\_00060.jpg



Trees within 10' of levee toe obstruct access and visibility of levee toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	7.82	Rating **	M	Issue No.	122
LM End	7.82	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.205846 °	38.205846 °
				-121.609574 °	-121.609574 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31283 DS_ID:24836 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 2.5-inch galvanized iron irrigation pipe through the levee at an unknown depth below the crown. Spigot and pipe visible at WS toe. Spigot on LS slope. FS Date: 02/11/2014					

No Photos

LM Start	7.89	Rating **	U	Issue No.	25
LM End	7.94	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.203945 °	38.203283 °
				-121.609932 °	-121.610025 °
DWR ID	DWR_RD0003_01_s_2012_25				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_25\_20150309\_00029.jpg



Landscaping (Ivy) on landside slope blocking view of levee from LM 7.95 to 8.00

LM Start	7.95	Rating **	C	Issue No.	79
LM End	7.95	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.203173 °	38.203173 °
				-121.610047 °	-121.610047 °
DWR ID	DWR_RD0003_01_s_2012_79				
Action/Comments					
Pipe					
Inspector Comments: Pipe crossing					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	8.06	Rating **	C	Issue No.	80
LM End	8.06	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.201582 °	38.201582 °
				-121.610448 °	-121.610448 °
DWR ID	DWR_RD0003_01_s _ 2012_80				
Action/Comments					
Pipe					
Inspector Comments: Pipe crossing					

No Photos

LM Start	8.13	Rating **	A/W	Issue No.	81
LM End	8.13	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.200684 °	38.200684 °
				-121.610858 °	-121.610858 °
DWR ID	DWR_RD0003_01_s _ 2012_81				
Action/Comments					
Pipe					
Inspector Comments: Pipe crossing					

No Photos

LM Start	8.18	Rating **	M	Issue No.	123
LM End	8.18	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.200683 °	38.200683 °
				-121.610851 °	-121.610851 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:29235 DS_ID:22186 EP_NO: 2225 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: CMP riser knocked over and no sign of siphon breaker. FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 3.5 feet below the crown. Service pole and siphon breaker in CMP riser on the landward slope. Pump in pump house and booster pump on concrete slab on the waterward slope. (New pipe by USCE, 1967, Unit 10.) (Old App. No. 2225.) O&M Manual SAC 104, February 1960. FS Date: 02/11/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	8.25	Rating **	A/W	Issue No.	82
LM End	8.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.198989 °	38.198989 °
				-121.611816 °	-121.611816 °
DWR ID	DWR_RD0003_01_s _ 2012_82				
Action/Comments					
Pipe					

No Photos

LM Start	8.31	Rating **	A/W	Issue No.	83
LM End	8.31	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.198307 °	38.198307 °
				-121.612240 °	-121.612240 °
DWR ID	DWR_RD0003_01_s _ 2012_83				
Action/Comments					
Pipe					

No Photos

LM Start	8.31	Rating **	M	Issue No.	124
LM End	8.31	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.198987 °	38.198987 °
				-121.611816 °	-121.611816 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:29233					
DS_ID:22187					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Siphon breaker and CMP riser missing from LS slope.					
FIELD_STRUCT_DESC: 12-inch steel irrigation siphon pipe through the					
levee, 3.5 feet below crown. Primer pump in pump house and siphon					
breaker in CMP riser on the landward slope. 48-inch concrete					
standpipe on LS toe (Installed in 1967 by the USCE, Unit 10.) O&M					
Manual SAC 104, February 1960.					
FS Date: 02/11/2014					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side    N/A : Not Applicable		A : Acceptable		Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable		Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable		En : Enforcement	
		N : Not Inspected/Rated			
		C : Corrected			
		A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	8.39	Rating **	M	Issue No.	94
LM End	8.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.197202 °	38.197202 °
				-121.612962 °	-121.612962 °
DWR ID	DWR_RD0003_01_s _ 2013_94				
Action/Comments					
Prunings					
Inspector Comments: Prunings on landward slope.					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_94\_20150318\_00102.jpg



Looking east at prunings on landward slope.

LM Start	8.39	Rating **	M	Issue No.	17
LM End	8.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.197194 °	38.196650 °
				-121.612947 °	-121.613383 °
DWR ID	DWR_RD0003_01_s _ 2012_17				
Action/Comments					
Landscaping					

No Photos

LM Start	8.66	Rating **	A/W	Issue No.	84
LM End	8.66	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.194531 °	38.194531 °
				-121.616327 °	-121.616327 °
DWR ID	DWR_RD0003_01_s _ 2012_84				
Action/Comments					
Pipe					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	8.69	Rating **	C	Issue No.	85
LM End	8.69	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.194295 °	38.194295 °
				-121.616896 °	-121.616896 °
DWR ID	DWR_RD0003_01_s _ 2012_85				
Action/Comments					
Pipe					
Inspector Comments: RD 3 drainage discharge pipes. (3)					

No Photos

LM Start	8.79	Rating **	C	Issue No.	86
LM End	8.79	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.193706 °	38.193706 °
				-121.618549 °	-121.618549 °
DWR ID	DWR_RD0003_01_s _ 2012_86				
Action/Comments					
Pipe					

No Photos

LM Start	8.89	Rating **	C	Issue No.	18
LM End	8.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.193142 °	38.193142 °
				-121.620206 °	-121.620206 °
DWR ID	DWR_RD0003_01_s _ 2012_18				
Action/Comments					
Tree stumps.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	8.98	Rating **	C	Issue No.	87
LM End	8.98	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.192702 °	38.192702 °
				-121.621754 °	-121.621754 °
DWR ID	DWR_RD0003_01_s _ 2012_87				
Action/Comments					
Pipe					

No Photos

LM Start	9.19	Rating **	M	Issue No.	125
LM End	9.19	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.192292 °	38.192292 °
				-121.624395 °	-121.624395 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:29187					
DS_ID:22202					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Annular space between 12 and 14-inch pipes not grouted.					
FIELD_STRUCT_DESC: 14-inch pipe, sleeved with a 12-inch pipe steel irrigation siphon, through the levee, 2.9 feet below the crown. Vent and siphon on LS shoulder with a concrete distribution box and gate valve at LS toe. O&M Manual SAC 104, February 1960, indicated this was a 16-inch sleeved with a 14-inch.					
FS Date: 02/11/2014					

No Photos

LM Start	10.11	Rating **	C	Issue No.	90
LM End	10.11	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.188725 °	38.188725 °
				-121.641070 °	-121.641070 °
DWR ID	DWR_RD0003_01_s _ 2012_90				
Action/Comments					
Pipe					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	10.12	Rating **	A/W	Issue No.	27
LM End	10.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.188613 °	38.188388 °
				-121.641175 °	-121.641485 °
DWR ID	DWR_RD0003_01_s _ 2012_27				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

LM Start	<b>10.12</b>	Rating **	A/W	Issue No.	<b>27 (cont)</b>
LM End	<b>10.14</b>	Issue Type +	En	Location *	LS

LM Start	<b>10.12</b>	Rating **	A/W	Issue No.	<b>27 (cont)</b>
LM End	<b>10.14</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : SP\_2015\_RD0003\_24\_27\_20150309\_00031.jpg



Trees to be trimmed on landside shoulder from LM 10.20 to 10.22

Photo 2 of 3 : SP\_2015\_RD0003\_24\_27\_20150309\_00032.jpg



Looking north at updated picture (5/10) of dense trees on landside slope.

Photo 3 of 3 : SP\_2015\_RD0003\_24\_27\_20150309\_00033.jpg



Side view of trees on landside shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	10.37	Rating **	C	Issue No.	107
LM End	10.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees				°
					°
DWR ID	DWR_RD0003_01_f_2013_107				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	10.45	Rating **	C	Issue No.	91
LM End	10.45	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.185029 °	38.185029 °
				-121.645154 °	-121.645154 °
DWR ID	DWR_RD0003_01_s_2012_91				
Action/Comments					
Pipe					

No Photos

LM Start	10.71	Rating **	M	Issue No.	95
LM End	10.94	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.183602 °	38.182393 °
				-121.649590 °	-121.653388 °
DWR ID	DWR_RD0003_01_s_2013_95				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

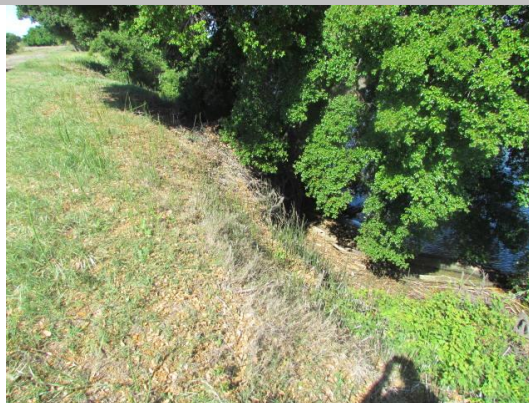
**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	10.78	Rating **	U	Issue No.	97 (cont)
LM End	10.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.183228 °	38.183123 °
				-121.650797 °	-121.651070 °
DWR ID	DWR_RD0003_01_s _ 2013_97				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Erosion extends to waterward shoulder.					

Photo 2 of 2 : SP\_2015\_RD0003\_24\_97\_20150309\_00066.jpg



Looking southwest at erosion on waterward slope.

LM Start	10.79	Rating **	A/W	Issue No.	92
LM End	10.92	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.183204 °	38.182481 °
				-121.650861 °	-121.653199 °
DWR ID	DWR_RD0003_01_s _ 2015_92				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Photo of obstructive vegetation beyond levee mile 10.87					

Photo 1 of 1 : SP\_2015\_RD0003\_24\_92\_20150309\_00062.jpg



Looking south at typical view of levee between levee mile 10.87 to 11.01

LM Start	10.86	Rating **	U	Issue No.	98
LM End	10.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.182792 °	38.182672 °
				-121.652142 °	-121.652555 °
DWR ID	DWR_RD0003_01_s _ 2013_98				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Erosion extends to waterward shoulder.					

Photo 1 of 3 : SP\_2015\_RD0003\_24\_98\_20150309\_00067.jpg



Looking north at erosion on waterward slope.

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	10.86	Rating **	U	Issue No.	98 (cont)
LM End	10.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.182792 °	38.182672 °
				-121.652142 °	-121.652555 °
DWR ID	DWR_RD0003_01_s _ 2013_98				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion extends to waterward shoulder.					

LM Start	<b>10.86</b>	Rating **	U	Issue No.	<b>98 (cont)</b>
LM End	<b>10.89</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP\_2015\_RD0003\_24\_98\_20150309\_00068.jpg



Looking northwest at erosion on waterward shoulder and slope.

Photo 3 of 3 : SP\_2015\_RD0003\_24\_98\_20150309\_00069.jpg



Looking west at erosion on waterward slope.

LM Start	10.91	Rating **	U	Issue No.	99
LM End	10.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.182537 °	38.182388 °
				-121.652987 °	-121.653388 °
DWR ID	DWR_RD0003_01_s _ 2013_99				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion extends to waterward shoulder.					

Photo 1 of 2 : SP\_2015\_RD0003\_24\_99\_20150309\_00070.jpg



Looking west at erosion on waterward slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	10.91	Rating **	U	Issue No.	99 (cont)	
LM End	10.94	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.182537 °	38.182388 °	
				-121.652987 °	-121.653388 °	
DWR ID	DWR_RD0003_01_s_2013_99					
Action/Comments						
Schedule repair of erosion site prior to the next inspection.						
Inspector Comments: Erosion extends to waterward shoulder.						

Photo 2 of 2 : SP\_2015\_RD0003\_24\_99\_20150309\_00071.jpg



Looking north at erosion on waterward shoulder and slope.

LM Start	10.91	Rating **	M	Issue No.	126
LM End	10.91	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.182982 °	38.182982 °
				-121.651610 °	-121.651610 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:29165 DS_ID:22206 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be verified as having been done so properly. FIELD_STRUCT_DESC: 1 of 3: 36-inch Corrugated metal pipe through the levee 15-feet below the crown. Slide gate in 48-inch CMP riser on WS shoulder. Flap gate on WS toe has been sealed shut with sealant. O&M Manual SAC 104, February 1960. FS Date: 02/11/2014					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	03/16/2015 03/16/2015	Richard Willoughby

LM Start	10.92	Rating **	M	Issue No.	127
LM End	10.92	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.182973 °	38.182973 °
				-121.651645 °	-121.651645 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:29164 DS_ID:22349 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be verified as having been filled with grout. FIELD_STRUCT_DESC: 2 of 3: 36-inch CMP drainpipe through the levee 15-feet below the crown. Slide gate in a 48-inch CMP riser on the WS shoulder. Steel intake weir on LS toe. Steel plate welded over pipe on WS toe. O&M Manual SAC 104, February 1960. FS Date: 02/11/2014					

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2015 Levee Inspection Results**

**Reclamation District No. 0003 Grand Island**

Waterway			Bank	Unit Miles
Unit No. 02 Right Bank Sacramento River			Right	17.35
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/17/2015 - 03/17/2015			
DWR Inspector	Richard Willoughby			
Accompanied By	Michael Moncrief MBK Engineers			
	Dave Robinson RD 3			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	0.07	Rating **	A/W	Issue No.	36
LM End	0.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.175433 °	38.175433 °
				-121.652697 °	-121.652697 °
DWR ID	DWR_RD0003_02_s _ 2013_36				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.08	Rating **	C	Issue No.	38
LM End	0.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.175340 °	38.175340 °
				-121.652452 °	-121.652452 °
DWR ID	DWR_RD0003_02_s _ 2013_38				
Action/Comments					
Garbage					

No Photos

LM Start	0.17	Rating **	A/W	Issue No.	3
LM End	0.17	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.174890 °	38.174890 °
				-121.651031 °	-121.651031 °
DWR ID	DWR_RD0003_02_s _ 2012_3				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	0.25	Rating **	M	Issue No.	4
LM End	0.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.174504 °	38.174504 °
				-121.649651 °	-121.649651 °
DWR ID	DWR_RD0003_02_s_2012_4				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_4\_20150318\_00087.jpg



Looking west at untrimmed tree on landward shoulder.

LM Start	0.30	Rating **	M	Issue No.	5
LM End	0.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174281 °	38.174209 °
				-121.648698 °	-121.648352 °
DWR ID	DWR_RD0003_02_s_2012_5				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: New sprouts of bamboo.					

Photo 1 of 2 : SP\_2015\_RD0003\_25\_5\_20150309\_00006.jpg



Looking northeast at the new sprouting of bamboo on waterward slope.

LM Start	<b>0.30</b>	Rating **	M	Issue No.	<b>5 (cont)</b>
LM End	<b>0.32</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2015\_RD0003\_25\_5\_20150309\_00007.jpg



Looking northeast at bamboo on waterside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	0.32	Rating **	A/W	Issue No.	41
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.174203 °	38.174203 °
				-121.648400 °	-121.648400 °
DWR ID	DWR_RD0003_02_s_2013_41				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	0.36	Rating **	A/W	Issue No.	29
LM End	0.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.174083 °	38.174083 °
				-121.647739 °	-121.647739 °
DWR ID	DWR_RD0003_02_f_2013_29				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion extends from the waterward toe to the waterward shoulder.					

Photo 1 of 3 : SP\_2015\_RD0003\_25\_29\_20150318\_00088.jpg



Looking northeast at repaired site on waterward shoulder and slope.

Photo 2 of 3 : SP\_2015\_RD0003\_25\_29\_20150309\_00027.jpg



Looking east at erosion that extends from waterward shoulder to waterward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	0.36	Rating **	A/W	Issue No.	29 (cont)
LM End	0.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.174083 °	38.174083 °
				-121.647739 °	-121.647739 °
DWR ID	DWR_RD0003_02_f_2013_29				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion extends from the waterward toe to the waterward shoulder.					

Photo 3 of 3 : SP\_2015\_RD0003\_25\_29\_20150309\_00028.jpg



Looking northeast at erosion on waterward slope and toe.

LM Start	0.39	Rating **	C	Issue No.	1
LM End	0.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.173989 °	38.173989 °
				-121.647142 °	-121.647142 °
DWR ID	DWR_RD0003_02_s_2012_1				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comments: District repaired slope damage cause by foot traffic.					

No Photos

LM Start	1.28	Rating **	C	Issue No.	39
LM End	1.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.171005 °	38.171005 °
				-121.631524 °	-121.631524 °
DWR ID	DWR_RD0003_02_s_2012_39				
Action/Comments					
Pipe					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	1.50	Rating **	M	Issue No.	154
LM End	1.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.169204 °	38.169204 °
				-121.628268 °	-121.628268 °
DWR ID	DWR_RD0003_02_f_2014_154				
Action/Comments					
Tree or limb					
Inspector Comments: Downed tree limbs on waterward slope.					

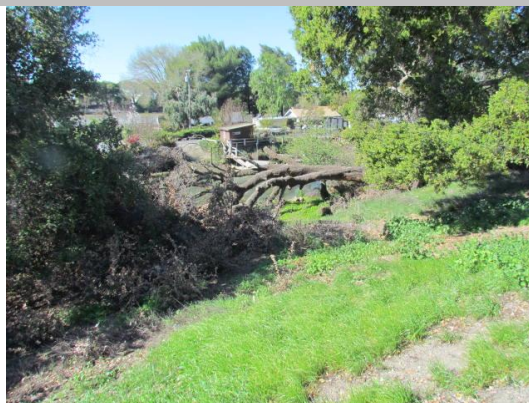
Photo 1 of 1 : SP\_2015\_RD0003\_25\_154\_20150309\_00080.jpg



Looking northeast at tree limbs on waterward slope.

LM Start	1.57	Rating **	M	Issue No.	104
LM End	1.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.168662 °	38.168662 °
				-121.627167 °	-121.627167 °
DWR ID	DWR_RD0003_02_s_2014_104				
Action/Comments					
Prunings					

Photo 1 of 2 : SP\_2015\_RD0003\_25\_104\_20150309\_00078.jpg



Looking southeast at downed tree on waterward slope.

LM Start	<b>1.57</b>	Rating **	M	Issue No.	<b>104 (cont)</b>
LM End	<b>1.57</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2015\_RD0003\_25\_104\_20150309\_00079.jpg



Looking east at downed tree on waterward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	1.66	Rating **	C	Issue No.	40
LM End	1.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.167958 °	38.167958 °
				-121.625706 °	-121.625706 °
DWR ID	DWR_RD0003_02_s _ 2015_40				
Action/Comments					
Pipe					

No Photos

LM Start	1.71	Rating **	M	Issue No.	73
LM End	1.71	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.167983 °	38.167983 °
				-121.625702 °	-121.625702 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31083 DS_ID:22209 EP_NO: 1647 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sag in pavement over pipe on crown and wooden walkway to pump falling apart. Good candidate for video inspection. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee 5.8 feet below the crown. Pump on a pile structure in the channel. Service pole on the landward slope. 1.5-inch conduit through the levee and a 42-inch concrete standpipe at the LS toe. (Permit No. 1647 - Rosellini) O&M Manual SAC 104, February 1960. FS Date: 02/24/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	1.88	Rating **	U	Issue No.	70
LM End	1.93	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.166525 °	38.166176 °
				-121.622201 °	-121.621332 °
DWR ID	DWR_RD0003_02_s_2012_70				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_70\_20150309\_00052.jpg



Landscaping on levee slope obstructs visibility and access.

LM Start	2.04	Rating **	M	Issue No.	74
LM End	2.04	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.165863 °	38.165863 °
				-121.620321 °	-121.620321 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31404 DS_ID:22210 EP_NO: 1114 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 1-inch galvanized iron communication conduit through the levee 4-feet below the crown (Permit No. 1114, 1946). FS Date: 02/24/2014					

No Photos

LM Start	2.43	Rating **	A/W	Issue No.	6
LM End	2.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.164369 °	38.164369 °
				-121.612548 °	-121.612548 °
DWR ID	DWR_RD0003_02_s_2012_6				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	2.44	Rating **	M	Issue No.	30
LM End	2.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.164379 °	38.164379 °
				-121.612455 °	-121.612455 °
DWR ID	DWR_RD0003_02_f_2013_30				
Action/Comments					
Landscaping					
Inspector Comments: Cactus at landward toe and berm.					

Photo 1 of 2 : SP\_2015\_RD0003\_25\_30\_20150309\_00029.jpg



Looking northwest at cactus on landward toe.

LM Start	<b>2.44</b>	Rating **	M	Issue No.	<b>30 (cont)</b>
LM End	<b>2.44</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2015\_RD0003\_25\_30\_20150309\_00030.jpg



Looking west at cactus on landward toe.

LM Start	2.46	Rating **	M	Issue No.	105
LM End	2.46	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.164366 °	38.164366 °
				-121.613225 °	-121.613225 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31026					
DS_ID:22211					
EP_NO: 2986					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Trench over pipe on LS toe may indicate damage to					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	2.71	Rating **	A/W	Issue No.	951
LM End	2.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.164676 °	38.164676 °
				-121.607479 °	-121.607479 °
DWR ID	DWR_RD0003_02_s_2012_951				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.77	Rating **	M	Issue No.	106
LM End	2.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.164672 °	38.164672 °
				-121.607607 °	-121.607607 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31025 DS_ID:22212 EP_NO: 1289 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 6-inch steel pipe through the levee 4.5 feet below the crown. Pump and gate valve on the waterward slope. Service pipe on the landward side with a 1.5-inch electrical conduit at same location (Permit No. 1289, 1948 O&M Manual SAC 104, February 1960. FS Date: 02/24/2014					

No Photos

LM Start	2.80	Rating **	M	Issue No.	96
LM End	2.80	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.164945 °	38.164945 °
				-121.605874 °	-121.605874 °
DWR ID	DWR_RD0003_02_f_2013_96				
Action/Comments					
Prunings					
Inspector Comments: Pruning piles at landward toe.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_96\_20150309\_00070.jpg



Looking west at pruning piles on landward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	2.83	Rating **	C	Issue No.	42
LM End	2.83	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.165065 °	38.165065 °
				-121.605275 °	-121.605275 °
DWR ID	DWR_RD0003_02_s _ 2012_42				
Action/Comments					
Pipe					
Inspector Comments: Gas Pipeline					

No Photos

LM Start	2.84	Rating **	C	Issue No.	43
LM End	2.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.165110 °	38.165110 °
				-121.605143 °	-121.605143 °
DWR ID	DWR_RD0003_02_s _ 2012_43				
Action/Comments					
Pipe					
Inspector Comments: Pipe crossing					

No Photos

LM Start	3.20	Rating **	A/W	Issue No.	7
LM End	3.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.167808 °	38.167808 °
				-121.599557 °	-121.599557 °
DWR ID	DWR_RD0003_02_s _ 2012_7				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_7\_20150309\_00008.jpg



Looking west at dense vegetation on landside slope and toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	3.23	Rating **	A/W	Issue No.	44
LM End	3.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.168134 °	38.168134 °
				-121.599028 °	-121.599028 °
DWR ID	DWR_RD0003_02_s_2012_44				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Obstructive blackberry.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_44\_20150309\_00037.jpg



Looking west at berryvines on landside toe.

LM Start	3.30	Rating **	C	Issue No.	45
LM End	3.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.168734 °	38.168734 °
				-121.598183 °	-121.598183 °
DWR ID	DWR_RD0003_02_s_2012_45				
Action/Comments					
Pipe Inspector Comments: Pipe penetration.					

No Photos

LM Start	3.33	Rating **	U	Issue No.	46
LM End	3.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.169061 °	38.169061 °
				-121.597765 °	-121.597765 °
DWR ID	DWR_RD0003_02_s_2012_46				
Action/Comments					
Landscaping					
Inspector Comments: Iceplant and trees blocking view of landward slope.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_46\_20150309\_00039.jpg



Looking northwest at landscaping blocking view of landward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	3.39	Rating **	M	Issue No.	107
LM End	3.39	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.168754 °	38.168754 °
				-121.598196 °	-121.598196 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30983					
DS_ID:22217					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe appears abandoned and if so should be done so properly.					
FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee 3.5-feet below the crown. Pump and gate valve on concrete pad on the waterward slope. Meter on power pole on LS toe with a 1.5-inch electrical conduit at same location. (Lillie) O&M Manual SAC 104, February 1960.					
FS Date: 02/24/2014					

No Photos

LM Start	3.40	Rating **	U	Issue No.	160
LM End	3.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.169904 °	38.169904 °
				-121.596914 °	-121.596914 °
DWR ID	DWR_RD0003_02_s_2015_160				
Action/Comments					
Tree or limb					
Inspector Comments: Downed tree on landward toe.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_160\_20150318\_00089.jpg



Looking west at fallen tree on landward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	3.47	Rating **	M	Issue No.	97
LM End	3.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.170724 °	38.170724 °
				-121.596152 °	-121.596152 °
DWR ID	DWR_RD0003_02_f_2013_97				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Palm tree at landward toe.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_97\_20150309\_00071.jpg



Looking west at palm tree on landward toe.

LM Start	3.73	Rating **	A/W	Issue No.	8
LM End	3.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.173977 °	38.175118 °
				-121.593725 °	-121.592925 °
DWR ID	DWR_RD0003_02_s_2012_8				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	3.77	Rating **	M	Issue No.	952
LM End	3.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174430 °	38.174430 °
				-121.593372 °	-121.593372 °
DWR ID	DWR_RD0003_02_s_2012_952				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Dense bamboo on landward slope.					

Photo 1 of 2 : SP\_2015\_RD0003\_25\_952\_20150309\_00084.jpg



Looking northwest at bamboo on landside slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	3.77	Rating **	M	Issue No.	952 (cont)
LM End	3.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174430 °	38.174430 °
				-121.593372 °	-121.593372 °
DWR ID	DWR_RD0003_02_s _ 2012_952				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Dense bamboo on landward slope.					

Photo 2 of 2 : SP\_2015\_RD0003\_25\_952\_20150309\_00085.jpg



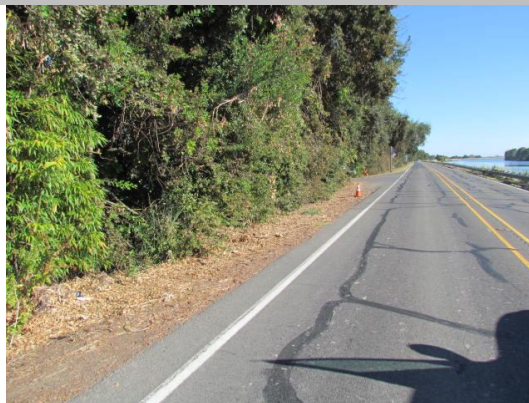
Looking west at dense bamboo on landside slope.

LM Start	3.77	Rating **	C	Issue No.	47
LM End	3.77	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.174478 °	38.174478 °
				-121.593368 °	-121.593368 °
DWR ID	DWR_RD0003_02_s _ 2012_47				
Action/Comments					
Pipe					

No Photos

LM Start	3.80	Rating **	U	Issue No.	953
LM End	3.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.174817 °	38.175077 °
				-121.593110 °	-121.592965 °
DWR ID	DWR_RD0003_02_s _ 2012_953				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_953\_20150309\_00086.jpg



Looking northwest at dense trees on landward shoulder and slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	3.87	Rating **	M	Issue No.	108
LM End	3.87	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.174448 °	38.174448 °
				-121.593385 °	-121.593385 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:30963 DS_ID:22221 EP_NO: 1283 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Permit for 12-inch pipe and pump on pier. Unable to identify permit for 6-inch pipe. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee 40 feet below the crown. Pump, shutoff valve, power pole, and vent on LS toe. 6-inch steel pipe appears to be sleeved through 12-inch pipe. A 1.5-inch steel electrical conduit at same location (Permit No. 1283 - Silva Bros.) O&M Manual SAC 104, February 1960. FS Date: 02/24/2014					

LM Start	4.14	Rating **	M	Issue No.	48
LM End	4.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.179160 °	38.179160 °
				-121.590247 °	-121.590247 °
DWR ID	DWR_RD0003_02_s_2012_48				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_48\_20150318\_00090.jpg



Looking southwest at dense trees on landward slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	4.22	Rating **	M	Issue No.	15
LM End	4.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				°
					°
DWR ID	DWR_RD0003_02_s_2012_15				
Action/Comments					
Landscaping					
Inspector Comments: Cactus on landside and waterside slope					

Photo 1 of 2 : SP\_2015\_RD0003\_25\_15\_20150309\_00019.jpg



Looking southeast at cactus on waterside shoulder and slope.

Photo 2 of 2 : SP\_2015\_RD0003\_25\_15\_20150309\_00020.jpg



Looking west at cactus on landside slope.

LM Start	4.24	Rating **	M	Issue No.	10
LM End	4.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.180361 °	38.180361 °
				-121.589127 °	-121.589127 °
DWR ID	DWR_RD0003_02_s_2012_10				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_10\_20150318\_00091.jpg



Looking west at untrimmed tree on landward slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	4.25	Rating **	M	Issue No.	92
LM End	4.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.180531 °	38.181330 °
				-121.589103 °	-121.588480 °
DWR ID	DWR_RD0003_02_s _ 2012_92				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_92\_20150309\_00069.jpg



Landscaping on levee slope and toe obstructs access and visibility.

LM Start	4.40	Rating **	C	Issue No.	49
LM End	4.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.182290 °	38.182290 °
				-121.587641 °	-121.587641 °
DWR ID	DWR_RD0003_02_s _ 2012_49				
Action/Comments					
Pipe					

No Photos

LM Start	4.49	Rating **	C	Issue No.	51
LM End	4.49	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.183468 °	38.183468 °
				-121.586634 °	-121.586634 °
DWR ID	DWR_RD0003_02_s _ 2012_51				
Action/Comments					
Pipe					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	<b>4.50</b>	Rating **	U	Issue No.	<b>109</b>
LM End	<b>4.50</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.182261 °	38.182261 °	
			-121.587652 °	-121.587652 °	
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:43046 DS_ID:22224 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe open on WS toe-visible under pump at WS toe. Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 6-inch pipe through the levee 5.4-feet below the crown, pipe open on WS. O&M Manual SAC 104, February 1960. FS Date: 02/24/2014					

LM Start	<b>4.61</b>	Rating **	U	Issue No.	<b>13</b>
LM End	<b>4.69</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.184832 °	38.185737 °	
			-121.585386 °	-121.584473 °	
DWR ID	DWR_RD0003_02_s_2012_13				

Action/Comments					
Landscaping					

Photo 1 of 2 : SP\_2015\_RD0003\_25\_13\_20150309\_00016.jpg



Looking west at vegetation on landward shoulder.

Photo 2 of 2 : SP\_2015\_RD0003\_25\_13\_20150309\_00017.jpg



Looking west at dense vegetation on landward slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	4.85	Rating **	M	Issue No.	110
LM End	4.85	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.186292 °	38.186292 °
				-121.583945 °	-121.583945 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30903					
DS_ID:22227					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to verify type of abandonment. Does not					

No Photos

LM Start	4.86	Rating **	C	Issue No.	52
LM End	4.86	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.187660 °	38.187660 °
				-121.582438 °	-121.582438 °
DWR ID	DWR_RD0003_02_s _ 2012_52				
Action/Comments					
Pipe					

No Photos

LM Start	4.94	Rating **	M	Issue No.	14
LM End	4.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.188344 °	38.188748 °
				-121.581414 °	-121.580743 °
DWR ID	DWR_RD0003_02_s _ 2012_14				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_14\_20150309\_00018.jpg



Looking southwest at untrimmed trees on landward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	5.35	Rating **	M	Issue No.	76
LM End	5.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.191392 °	38.191392 °
				-121.574832 °	-121.574832 °
DWR ID	DWR_RD0003_02_s_2013_76				
Action/Comments					
Material					
Inspector Comments: Concrete rubble on landward slope.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_76\_20150309\_00056.jpg



Looking west at concrete rubble on landward shoulder and slope.

LM Start	5.53	Rating **	M	Issue No.	21
LM End	5.56	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.192358 °	38.192458 °
				-121.571742 °	-121.571320 °
DWR ID	DWR_RD0003_02_s_2012_21				
Action/Comments					
Fence					
Inspector Comments: Fence on landward shoulder.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_21\_20150309\_00025.jpg



Looking west at cyclone fence on landward shoulder.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	5.59	Rating **	M	Issue No.	111
LM End	5.59	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.192027 °	38.192027 °
				-121.572888 °	-121.572888 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41643 DS_ID:22231 EP_NO: 1311 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. Walkway and pier falling apart. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through levee 7.8 feet below crown. Pump on pile structure in stream. 42-inch concrete standpipe and a meter on a power pole at LS toe. Appears to be sleeved with 10-inch pipe as it measures 10-inch on both slopes (Permit No. 1311, J. Lopes) O&M Manual SAC 104, February 1960. 1.5-inch electrical conduit at same location. FS Date: 02/24/2014					

No Photos

LM Start	5.71	Rating **	M	Issue No.	112
LM End	5.71	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.192581 °	38.192581 °
				-121.570807 °	-121.570807 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40542					
DS_ID:22233					
EP_NO: 1311					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Systed appears abandoned and if so, should be done so properly.					
FIELD_STRUCT_DESC: 2-inch galvanized iron irrigation pipe through the levee 4.0 feet below the crown. Hand pump and Pump on the waterward slope. Tank on LS shoulder (Permit No. 1311, 1948).					
FS Date: 02/24/2014					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	5.72	Rating **	U	Issue No.	98
LM End	5.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				°
					°
DWR ID	DWR_RD0003_02_f_2013_98				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dense vegetation and cactus on waterward slope.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_98\_20150309\_00072.jpg



Looking east at dense vegetation and cactus on waterward slope.

LM Start	5.81	Rating **	U	Issue No.	11
LM End	5.86	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.193552 °	38.193832 °
				-121.566933 °	-121.565995 °
DWR ID	DWR_RD0003_02_s_2012_11				
Action/Comments					
Landscaping					

Photo 1 of 2 : SP\_2015\_RD0003\_25\_11\_20150309\_00011.jpg



Landscaping on levee slope and toe obstructs access and visibility.

LM Start	<b>5.81</b>	Rating **	U	Issue No.	<b>11 (cont)</b>
LM End	<b>5.86</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2015\_RD0003\_25\_11\_20150309\_00012.jpg



Oleander on landside shoulder blocking view of levee slope from LM 5.94 to 6.00

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	5.98	Rating **	M	Issue No.	54
LM End	6.08	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.194705 °	38.195586 °
				-121.564116 °	-121.562669 °
DWR ID	DWR_RD0003_02_s_2012_54				
Action/Comments					
Crops					
Inspector Comments: Orchard on lower levee slope					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_54\_20150309\_00041.jpg



Looking south at trees on landward toe.

LM Start	6.21	Rating **	M	Issue No.	113
LM End	6.21	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.195508 °	38.195508 °
				-121.562820 °	-121.562820 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30864					
DS_ID:22238					
EP_NO: 9430					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Annular space not grouted.					
FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee					
4.0 feet below the crown. 8-inch pipe sleeved through the 12-inch.					
Pump and gatevalve in pump house and a Vent on WS slope. A					
siphon breaker in a 16-inch CMP riser on the LS shoulder. A 4-foot					
diameter concrete standpipe, power pole, and meter on LS toe (ABO.					
No. 9430 - Millhauser, 1974)					
FS Date: 02/24/2014					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	6.53	Rating **	U	Issue No.	88
LM End	6.55	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.201255 °	38.201634 °
				-121.558977 °	-121.558886 °
DWR ID	DWR_RD0003_02_s_2012_88				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_88\_20150309\_00068.jpg



Looking south at landscaping on landside shoulder.

LM Start	6.68	Rating **	M	Issue No.	114
LM End	6.68	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.201393 °	38.201393 °
				-121.558905 °	-121.558905 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31291 DS_ID:24841 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 2.5-inch PVC conduit 4-feet below the crown. A 1/2-inch water line and an electrical line is sleeved through the conduit. Provides service to boat dock. FS Date: 02/20/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	6.80	Rating **	M	Issue No.	115
LM End	6.80	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.203115 °	38.203115 °
				-121.558665 °	-121.558665 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30672					
DS_ID:22242					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Appears abandoned and if so should be done so properly.					
FIELD_STRUCT_DESC: 7-inch steel irrigation pipe through the levee					
7.6 feet below the crown. Pump in pump house on concrete pad on the					
waterward slope. Gate valve on the waterward slope. 44"X44"					
Concrete distribution box, joint pole, and meter at the landward toe.					
O&M Manual SAC 104, February 1960.					
FS Date: 02/20/2014					

No Photos

LM Start	6.88	Rating **	U	Issue No.	12
LM End	6.90	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.206363 °	38.206598 °
				-121.558520 °	-121.558530 °
DWR ID	DWR_RD0003_02_s_2012_12				
Action/Comments					
Landscaping					
Inspector Comments: Palm trees on landward slope.					

Photo 1 of 3 : SP\_2015\_RD0003\_25\_12\_20150309\_00013.jpg



Dense trees at landside toe and shoulder.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	6.88	Rating **	U	Issue No.	12 (cont)
LM End	6.90	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.206363 °	38.206598 °
				-121.558520 °	-121.558530 °
DWR ID	DWR_RD0003_02_s_2012_12				
Action/Comments					
Landscaping					
Inspector Comments: Palm trees on landward slope.					

Photo 2 of 3 : SP\_2015\_RD0003\_25\_12\_20150309\_00014.jpg



Looking southwest at updated dense veg. on landside slope.

LM Start	<b>6.88</b>	Rating **	U	Issue No.	<b>12 (cont)</b>
LM End	<b>6.90</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP\_2015\_RD0003\_25\_12\_20150309\_00015.jpg



Front view of palm trees on landside shoulder.

LM Start	7.01	Rating **	U	Issue No.	16
LM End	7.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.208205 °	38.208205 °
				-121.558565 °	-121.558565 °
DWR ID	DWR_RD0003_02_s_2012_16				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Dense vegetation at landward toe.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_16\_20150309\_00021.jpg



Looking southwest at dense veg. on landside toe.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	7.22	Rating **	U	Issue No.	55
LM End	7.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.211357 °	38.211357 °
				-121.558468 °	-121.558468 °
DWR ID	DWR_RD0003_02_s _ 2012_55				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_55\_20150309\_00042.jpg



Looking northwest a dense landscaping on landside shoulder and slope.

LM Start	7.55	Rating **	M	Issue No.	116
LM End	7.55	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.213858 °	38.213858 °
				-121.558540 °	-121.558540 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30647 DS_ID:22248 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space has not been grouted. FIELD_STRUCT_DESC: *ABANDONED* 6-inch pipe through the levee 2.5 feet below the crown. 1.5-inch steel electrical conduit runs through the 6-inch pipe. O&M Manual SAC 104, 1914 FS Date: 02/20/2014					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	7.55	Rating **	M	Issue No.	117
LM End	7.55	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.213880 °	38.213880 °
				-121.558541 °	-121.558541 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:30648 DS_ID:22247 EP_NO: 1383 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 44-inch deep hole on WS slope over pipe 3-inches in diameter. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee 4.0 feet below the crown. Concrete pump house on waterward slope. 5'X7' concrete distribution box at LS toe with pole and meter. Permit No. 1383, 1949 (L. Fallman) O&M Manual SAC 104, February 1960. Dwgs available in permit. FS Date: 02/20/2014					

LM Start	7.70	Rating **	U	Issue No.	56
LM End	7.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.218235 °	38.218235 °
				-121.558481 °	-121.558481 °
DWR ID	DWR_RD0003_02_s_2012_56				
Action/Comments					
Landscaping					
Inspector Comments: Large century plants on landward slope.					

Photo 1 of 2 : SP\_2015\_RD0003\_25\_56\_20150309\_00043.jpg



Looking northwest at century plants on landside shoulder and slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	7.70	Rating **	U	Issue No.	56 (cont)
LM End	7.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.218235 °	38.218235 °
				-121.558481 °	-121.558481 °
DWR ID	DWR_RD0003_02_s _ 2012_56				
Action/Comments					
Landscaping					
Inspector Comments: Large century plants on landward slope.					

Photo 2 of 2 : SP\_2015\_RD0003\_25\_56\_20150309\_00044.jpg



Looking west at century plant on landside shoulder and slope.

LM Start	7.82	Rating **	M	Issue No.	118
LM End	7.82	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.217642 °	38.217642 °
				-121.558396 °	-121.558396 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30643 DS_ID:22249 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 6-inch steel pipe through the levee 3.5 feet below the crown. Pump and gate valve in pump house on the waterward slope. 36-inch Concrete standpipe at landward. 1.5-inch electrical conduit at same location. Power pole and meter on LS slope. (L. Souza) O&M Manual SAC 104, February 1960. FS Date: 02/20/2014					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	7.86	Rating **	U	Issue No.	159
LM End	7.86	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.220578 °	38.220578 °
				-121.557978 °	-121.557978 °
DWR ID	DWR_RD0003_02_s_2015_159				
Action/Comments					
Material					
Inspector Comments: Old concrete pipes stored at landward toe.					

No Photos

LM Start	8.03	Rating **	A/W	Issue No.	99
LM End	8.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				°
					°
DWR ID	DWR_RD0003_02_f_2013_99				
Action/Comments					
Material					
Inspector Comments: Broken concrete pipes and farm equipment at landward toe.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_99\_20150309\_00073.jpg



Looking west at broken concrete pipes and farm equipment at landward toe.

LM Start	8.04	Rating **	C	Issue No.	57
LM End	8.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.223099 °	38.223099 °
				-121.557537 °	-121.557537 °
DWR ID	DWR_RD0003_02_s_2012_57				
Action/Comments					
Prunings					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	8.11	Rating **	C	Issue No.	58
LM End	8.11	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.224112 °	38.224112 °
				-121.557202 °	-121.557202 °
DWR ID	DWR_RD0003_02_s _ 2012_58				
Action/Comments					
Pipe					
Inspector Comments: Tunnel					

No Photos

LM Start	8.18	Rating **	M	Issue No.	119
LM End	8.18	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.222784 °	38.222784 °
				-121.557474 °	-121.557474 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30623 DS_ID:22251 EP_NO: 886 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion under pipe on LS slope. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 3.8 feet below the crown. Slant Pump on WS slope. 36-inch concrete standpipe at LS toe with a filter plant. Service pole on landward slope and a 1.5-inch steel electrical conduit at same location. Installed under Permit No. 886, 1942 and accounted for again on (ABO No. 9437 - Green, 1974) FS Date: 02/20/2014					

No Photos

LM Start	8.24	Rating **	A/W	Issue No.	17
LM End	8.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.226073 °	38.226073 °
				-121.557018 °	-121.557018 °
DWR ID	DWR_RD0003_02_s _ 2012_17				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: Fallen tree on levee slope.					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	8.25	Rating **	M	Issue No.	120
LM End	8.25	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.223779 °	38.223779 °
				-121.557265 °	-121.557265 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30588 DS_ID:22254 EP_NO: 9436 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 2-inch steel waterline pipe through the levee 6.5-feet below the crown. (ABO No. 9436 - Sergeant, 1974) Also shown in Permit No. 8612 FS Date: 02/20/2014					

No Photos

LM Start	8.41	Rating **	U	Issue No.	121
LM End	8.41	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.226067 °	38.226067 °
				-121.557032 °	-121.557032 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42867					
DS_ID:22256					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Appears abandoned and if so should be done properly. Large erosion holes in 2 places on LS toe due to irrigation flows.					
FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee 4.8 feet below the crown. Pump on waterward slope. 1.5-inch steel electrical conduit at same location with a 5'X5' concrete distribution box at the LS toe(Gemignani) O&M Manual SAC 104, February 1960.					
FS Date: 02/20/2014					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	8.42	Rating **	M	Issue No.	122
LM End	8.42	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.226177 °	38.226177 °
				-121.557027 °	-121.557027 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:30577 DS_ID:22257 EP_NO: 3593 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Siphon breaker broken off pipe on LS slope. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee 4.0 feet below the crown. Pump on concrete pad on waterward slope. 42-inch concrete standpipe on the landward toe. Siphon breaker on the landward slope. Project drawings included within permit. 1-inch electrical conduit at same location (Permit No. 3593 - Dean) FS Date: 02/20/2014					

LM Start	8.43	Rating **	M	Issue No.	59
LM End	8.43	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.228793 °	38.228793 °
				-121.557233 °	-121.557233 °
DWR ID	DWR_RD0003_02_s_2012_59				

Action/Comments					
Material Inspector Comments: Concrete footings and retaining walls at levee toe and slopes. Has been in place for several years.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_59\_20150309\_00046.jpg



Looking southeast at concrete structure on waterward slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	8.63	Rating **	M	Issue No.	123
LM End	8.63	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.229127 °	38.229127 °
				-121.557189 °	-121.557189 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30568					
DS_ID:22259					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe abandoned and should be done so properly.					
Rusted through and open on LS slope. Possibly just a section of discarded pipe.					
FIELD_STRUCT_DESC: *ABANDONED* 5-inch steel pipe through the levee 5-feet below the crown. Open on the landward end.					
FS Date: 02/20/2014					

No Photos

LM Start	8.87	Rating **	U	Issue No.	158
LM End	8.87	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.234759 °	38.234759 °
				-121.559534 °	-121.559534 °
DWR ID	DWR_RD0003_02_s_2015_158				
Action/Comments					
Landscaping					
Inspector Comments: Large cluster of cactus on landward slope.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_158\_20150318\_00092.jpg



Looking west at cactus on landward slope and toe.

LM Start	8.87	Rating **	M	Issue No.	80
LM End	8.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.234783 °	38.234783 °
				-121.559477 °	-121.559477 °
DWR ID	DWR_RD0003_02_s_2013_80				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Cactus on landward slope and toe.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_80\_20150309\_00061.jpg



Looking west at cactus on landward slope and toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

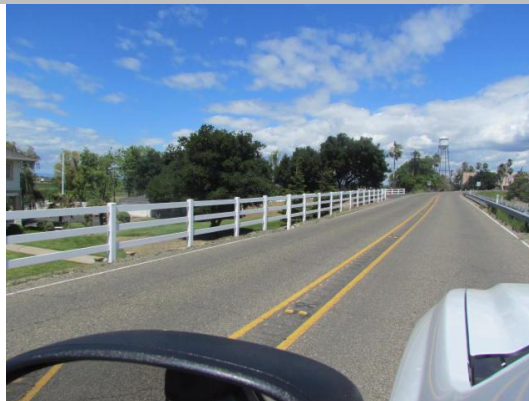
**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	8.87	Rating **	M	Issue No.	78
LM End	8.92	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.234790 °	38.235562 °
				-121.559488 °	-121.559575 °
DWR ID	DWR_RD0003_02_s _ 2013_78				
Action/Comments					
Fence					
Inspector Comments: Unauthorized fence.					

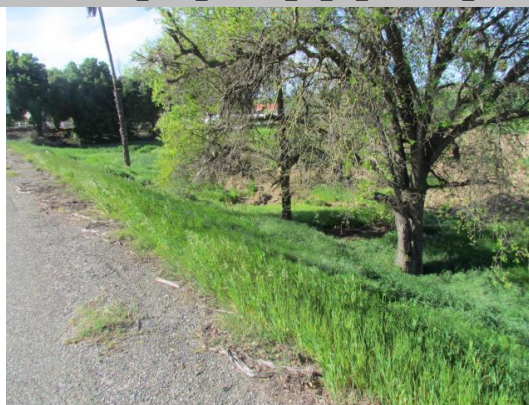
Photo 1 of 1 : SP\_2015\_RD0003\_25\_78\_20150309\_00058.jpg



Looking northwest at unauthorized fence on landward shoulder.

LM Start	8.97	Rating **	M	Issue No.	23
LM End	8.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.236294 °	38.236294 °
				-121.559527 °	-121.559527 °
DWR ID	DWR_RD0003_02_s _ 2012_23				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_23\_20150318\_00093.jpg



Looking southwest at untrimmed trees on landward toe.

LM Start	9.01	Rating **	M	Issue No.	2
LM End	9.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.236877 °	38.236877 °
				-121.559528 °	-121.559528 °
DWR ID	DWR_RD0003_02_s _ 2012_2				
Action/Comments					
Ramp Inspector Comments: New landowner installed unauthorized ramp on landside slope. District engineer has spoken with landowner about removing the ramp. Wild grape vines growing on ramp slope.					

Photo 1 of 3 : SP\_2015\_RD0003\_25\_2\_20150309\_00003.jpg



Looking south at unauthorized ramp on landside slope.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	9.01	Rating **	M	Issue No.	2 (cont)	
LM End	9.01	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.236877 °	38.236877 °	
				-121.559528 °	-121.559528 °	
DWR ID	DWR_RD0003_02_s _ 2012_2					
Action/Comments						
Ramp						
Inspector Comments: New landowner installed unauthorized ramp on landside slope. District engineer has spoken with landowner about removing the ramp. Wild grape vines growing on ramp slope.						

Photo 2 of 3 : SP\_2015\_RD0003\_25\_2\_20150309\_00004.jpg



Looking southwest at unauthorized ramp on landside. 2013

Photo 3 of 3 : SP\_2015\_RD0003\_25\_2\_20150309\_00005.jpg



Looking southeast at ramp on landside slope.

LM Start	9.02	Rating **	M	Issue No.	61
LM End	9.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.236999 °	38.236999 °
				-121.559412 °	-121.559412 °
DWR ID	DWR_RD0003_02_s _ 2012_61				
Action/Comments					
Landscaping					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	9.05	Rating **	M	Issue No.	62
LM End	9.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.237346 °	38.238329 °
				-121.559154 °	-121.558534 °
DWR ID	DWR_RD0003_02_s _ 2012_62				
Action/Comments					
Building					
Inspector Comments: Ryde, CA					

No Photos

LM Start	9.29	Rating **	M	Issue No.	63
LM End	9.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.240337 °	38.240337 °
				-121.556870 °	-121.556870 °
DWR ID	DWR_RD0003_02_s _ 2012_63				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	9.35	Rating **	M	Issue No.	18
LM End	9.51	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.240926 °	38.242206 °
				-121.556160 °	-121.553616 °
DWR ID	DWR_RD0003_02_s _ 2012_18				
Action/Comments					
Landscaping					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	9.36	Rating **	M	Issue No.	157
LM End	9.36	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.241163 °	38.241163 °
				-121.555977 °	-121.555977 °
DWR ID	DWR_RD0003_02_s_2015_157				
Action/Comments					
Landscaping					
Inspector Comments: Cactus on landward slope.					

No Photos

LM Start	9.37	Rating **	A/W	Issue No.	100
LM End	9.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				°
					°
DWR ID	DWR_RD0003_02_f_2013_100				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Palm trees on landward slope					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_100\_20150309\_00074.jpg



Looking west at plam trees on landward shoulder and slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	9.39	Rating **	M	Issue No.	124
LM End	9.39	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.239339 °	38.239339 °
				-121.557650 °	-121.557650 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:30507 DS_ID:22271 EP_NO: 3295 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Possibly Abandoned and if so should be done properly. Pipe shows signs of decay on LS toe and there is pipe debris on the WS slope. Good candidate for video inspection. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee 6.5 feet below the crown. Pump on the waterward slope with gate valve. Gate valve, power pole, and meter visible at LS toe. 1.5-inch steel electrical conduit at same location (Permit No. 3295-James). FS Date: 02/20/2014					

LM Start	9.53	Rating **	U	Issue No.	125
LM End	9.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.240971 °	38.240971 °
				-121.556116 °	-121.556116 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:42868 DS_ID:22272 EP_NO: 14811 Repair Type: Urgent Crossing Status: Found UCIP Comments: Dip in pavement over pipe on North bound lane may indicate internal leak in pipe. Good candidate for video inspection. FIELD_STRUCT_DESC: 16-inch steel pipe through the levee 6.3 feet below the crown. Slant pump on the waterward slope next to pumphouse. Butterfly valve and siphon breaker/vent at pump on WS slope. Vent/Siphon breaker on LS shoulder and a filter, pump, vent, and butterfly valve at LS toe. A 12-inch pipe is sleeved through existing 16-inch pipe (Permit No. 14811-Leary). FS Date: 02/20/2014					

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	9.54	Rating **	U	Issue No.	126
LM End	9.54	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.240982 °	38.240982 °
				-121.556103 °	-121.556103 °

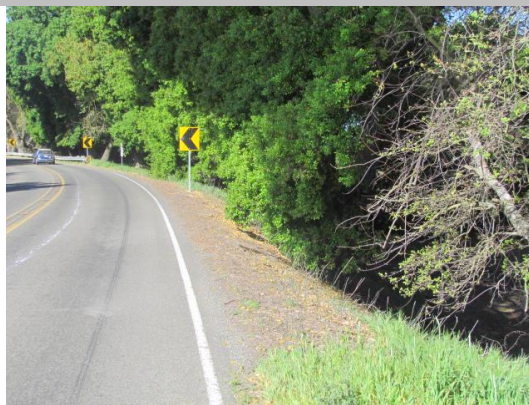
No Photos

Action/Comments					
Inspector Comments: FS_ID:42869 DS_ID:22355 EP_NO: 14811 Repair Type: Urgent Crossing Status: Found UCIP Comments: dip/pothole in pavement over pipe on north bound lane may indicate internal leak in pipe. Good candidate for video inspection. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee 6.2 feet below the crown. Slant pump on the waterward slope. Butterfly valve and vent/siphon breaker on WS slope. Vent/siphon breaker on LS shoulder with a filter, butterfly valve, vent, and pump at the LS toe. 12-inch steel pipe sleeved through an existing 16-inch pipe with annular space filled with sand (Permit No. 14811-Leary, 1988) FS Date: 02/20/2014					

LM Start	9.56	Rating **	M	Issue No.	64
LM End	9.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.242386 °	38.242519 °
				-121.552699 °	-121.550864 °

Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_64\_20150318\_00094.jpg



Looking southwest at dense trees on landward shoulder and slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	9.70	Rating **	M	Issue No.	127
LM End	9.70	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.242202 °	38.242202 °
				-121.553633 °	-121.553633 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:31349					
DS_ID:22275					
EP_NO: 3738					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Heavy foliage over pipe and appurtances on LS slope.					
FIELD_STRUCT_DESC: 6-inch steel pipe through the levee 5.5 feet					
below the crown. Pump and gate valve in pump house on the					
waterward slope. 1.5-inch steel electrical conduit at same location.					
(Permit No. 3738-James) O&M Manual SAC 104, February 1960.					
FS Date: 02/18/2014					

No Photos

LM Start	9.82	Rating **	M	Issue No.	65
LM End	9.91	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.242228 °	38.241926 °
				-121.548090 °	-121.546406 °
DWR ID	DWR_RD0003_02_s_2012_65				
Action/Comments					
Landscaping					
Inspector Comments: Ivy on slope.					

No Photos

LM Start	9.87	Rating **	M	Issue No.	101
LM End	9.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees				o
					o
DWR ID	DWR_RD0003_02_f_2013_101				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comments: Large redwood trees at the landward toe and berm.					

Photo 1 of 2 : SP\_2015\_RD0003\_25\_101\_20150309\_00075.jpg



Looking northwest at dense redwood trees on landward toe and berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	9.87	Rating **	M	Issue No.	101 (cont)		
LM End	9.99	Issue Type +	Ma	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start	End		
Item	Trim / Thin Trees				°		°
					°		°
DWR ID	DWR_RD0003_02_f_2013_101						
Action/Comments							
Trim and thin trees to allow visibility of the ground and room to flood fight.							
Inspector Comments: Large redwood trees at the landward toe and berm.							

Photo 2 of 2 : SP\_2015\_RD0003\_25\_101\_20150309\_00076.jpg



Looking southwest at dense redwood trees on landward toe and berm.

LM Start	9.88	Rating **	M	Issue No.	128
LM End	9.88	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.242415 °	38.242415 °
				-121.550452 °	-121.550452 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30424 DS_ID:22277 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is not grouted properly. FIELD_STRUCT_DESC: *ABANDONED* 14-inch steel irrigation pipe through the levee 5.7 feet below the crown. Capped on both ends by the USCE in 1964. 1.5-inch steel electrical conduit at same location visible on both sides of levee and capped. FS Date: 02/18/2014					

No Photos

LM Start	9.93	Rating **	U	Issue No.	19
LM End	9.93	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.241880 °	38.241880 °
				-121.546108 °	-121.546108 °
DWR ID	DWR_RD0003_02_s_2012_19				
Action/Comments					
Fence					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_19\_20150309\_00022.jpg



Block/Concrete fence on landside shoulder at LM 10.13

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	9.97	Rating **	U	Issue No.	156
LM End	9.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.241798 °	38.241798 °
				-121.545394 °	-121.545394 °
DWR ID	DWR_RD0003_02_s _ 2015_156				
Action/Comments					
Landscaping					
Inspector Comments: Oleander blocking view of landward slope.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_156\_20150318\_00095.jpg



Looking west at dense landscaping on landward shoulder and slope.

LM Start	10.04	Rating **	M	Issue No.	85
LM End	10.09	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.241551 °	38.241422 °
				-121.544035 °	-121.543236 °
DWR ID	DWR_RD0003_02_s _ 2012_85				
Action/Comments					
Landscaping					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	10.10	Rating **	M	Issue No.	129
LM End	10.10	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.241913 °	38.241913 °
				-121.546418 °	-121.546418 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:30408 DS_ID:22280 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space not grouted. FIELD_STRUCT_DESC: 6-inch steel pipe through levee 5.5 feet below crown. A 3.5-inch steel pipe is sleeved through a 5-inch pipe that is sleeved through the 6-inch pipe. Annular space is not grouted. Pump and gate valve on waterward slope. A Concrete distribution box on the LS toe. A 1.5-inch electrical conduit through the levee at the same location. Service pole at toe of landward slope. (Joe Dianda) O&M Manual SAC 104, February 1960. FS Date: 02/18/2014					

LM Start	10.14	Rating **	M	Issue No.	22
LM End	10.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.241160 °	38.241005 °
				-121.542377 °	-121.541618 °
DWR ID	DWR RD0003 02 s 2012 22				

Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_22\_20150318\_00096.jpg



Looking northwest at untrimmed trees on landward shoulder and slope.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	10.30	Rating **	M	Issue No.	130
LM End	10.30	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.241300 °	38.241300 °
				-121.542967 °	-121.542967 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:30406 DS_ID:22281 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Actuator for Gate valve is broken off. FIELD_STRUCT_DESC: 8-inch steel pipe through the levee 6.5 feet below the crown. Pipe reduced to 6-inch on slopes. Pump and gate valve on a concrete pad on the waterward slope. Siphon breaker on the landward slope. Unit 2 Bank Protection Project DWR No. 50-4-3741, Sheet 21-Castanno) O&M Manual SAC 104, February 1960. FS Date: 02/18/2014					

LM Start	10.33	Rating **	M	Issue No.	131
LM End	10.33	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.241157 °	38.241157 °
				-121.542361 °	-121.542361 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:30404 DS_ID:22282 EP_NO: 3670 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned as no pipe, siphon breaker, or standpipe visible on LS toe. If so, it should be abandoned properly. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee 3.8 feet below the crown. Slant pump on the waterward slope. Siphon breaker on the landward shoulder. (Permit No. 3670-Graham) Pipe repaired under Permit 17837 in april of 2004. FS Date: 02/18/2014					

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	10.35	Rating **	A/W	Issue No.	102
LM End	10.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				°
					°
DWR ID	DWR_RD0003_02_f_2013_102				
Action/Comments					
Tree or limb					
Inspector Comments: Downed tree on landward slope.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_102\_20150309\_00077.jpg



Looking west at downed tree on landward slope.

LM Start	10.43	Rating **	M	Issue No.	81
LM End	10.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239850 °	38.239850 °
				-121.537237 °	-121.537237 °
DWR ID	DWR_RD0003_02_s_2013_81				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Century plant on landward shoulder.					

Photo 1 of 2 : SP\_2015\_RD0003\_25\_81\_20150318\_00097.jpg



Looking south at century plant on landward slope. (Spring 2015)

LM Start	<b>10.43</b>	Rating **	M	Issue No.	<b>81 (cont)</b>
LM End	<b>10.43</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2015\_RD0003\_25\_81\_20150309\_00062.jpg



Looking southwest at century plant on landward shoulder and slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	10.54	Rating **	U	Issue No.	66
LM End	10.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239499 °	38.239499 °
				-121.535338 °	-121.535338 °
DWR ID	DWR_RD0003_02_s _ 2012_66				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_66\_20150309\_00048.jpg



Landscaping on levee slope and toe obstructs access and visibility.

LM Start	10.78	Rating **	U	Issue No.	67
LM End	10.78	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.238812 °	38.238812 °
				-121.531031 °	-121.531031 °
DWR ID	DWR_RD0003_02_s _ 2012_67				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_67\_20150309\_00049.jpg



Landscaping on levee slope obstructs access and visibility.

LM Start	10.81	Rating **	U	Issue No.	68
LM End	10.90	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.238817 °	38.238959 °
				-121.530372 °	-121.528758 °
DWR ID	DWR_RD0003_02_s _ 2012_68				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_68\_20150309\_00050.jpg



Looking south at dense landscaping on landward shoulder and slope.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	10.91	Rating **	M	Issue No.	69
LM End	11.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.238998 °	38.239825 °
				-121.528585 °	-121.524558 °
DWR ID	DWR_RD0003_02_s_2012_69				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_69\_20150309\_00051.jpg



Landscaping trees on levee slope an toe obstruct access and visibility.

LM Start	10.96	Rating **	M	Issue No.	132
LM End	10.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.238768 °	38.238768 °
				-121.531512 °	-121.531512 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30391 DS_ID:22284 EP_NO: 9442 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Good candidate for video inspection. FIELD_STRUCT_DESC: 8-inch steel pipe though levee 7.5 feet below crown. Pump and gate valve on waterward slope. 4'X4' concrete distribution box on LS toe next to a power pole and meter. A 1.5-inch electrical conduit at same location (Permit No. 9442-Gwerder, 1974) O&M Manual SAC 104, February 1960. FS Date: 02/18/2014					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	11.10	Rating **	U	Issue No.	84
LM End	11.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239730 °	38.239730 °
				-121.525190 °	-121.525190 °
DWR ID	DWR_RD0003_02_s _ 2013_84				
Action/Comments					
Landscaping					
Inspector Comments: Oleander on landward shoulder.					

Photo 1 of 2 : SP\_2015\_RD0003\_25\_84\_20150318\_00098.jpg



Looking south at dense landscaping on landward slope and toe. (Spring 2015)

LM Start	11.10	Rating **	U	Issue No.	84 (cont)
LM End	11.10	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2015\_RD0003\_25\_84\_20150309\_00065.jpg



Looking southwest at dense landscaping on landward shoulder and slope.

LM Start	11.33	Rating **	M	Issue No.	20
LM End	11.42	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.239870 °	38.239983 °
				-121.520989 °	-121.519361 °
DWR ID	DWR_RD0003_02_f __ 2014_20				
Action/Comments					
Inspector Comments: 2009 - Hole left in levee toe from a fallen tree. Could be repaired under maintenance. 2010 - Minor new erosion. 2013: No observed changes. [2013 Site ID: SAC_26-3_R]					

Photo 1 of 2 : SP\_2015\_RD0003\_25\_20\_20150309\_00023.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	11.33	Rating **	M	Issue No.	20 (cont)
LM End	11.42	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.239870 °	38.239983 °
				-121.520989 °	-121.519361 °
DWR ID	DWR_RD0003_02_f_2014_20				
Action/Comments					
Inspector Comments: 2009 - Hole left in levee toe from a fallen tree. Could be repaired under maintenance. 2010 - Minor new erosion. 2013: No observed changes. [2013 Site ID: SAC_26-3_R]					

Photo 2 of 2 : SP\_2015\_RD0003\_25\_20\_20150309\_00024.jpg



USACE 2013 Photo #2

LM Start	11.44	Rating **	A/W	Issue No.	26
LM End	11.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees				°
					°
DWR ID	DWR_RD0003_02_s_2012_26				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	11.47	Rating **	M	Issue No.	133
LM End	11.47	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.239992 °	38.239992 °
				-121.522463 °	-121.522463 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30364					
DS_ID:22288					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Annular space not grouted.					
FIELD_STRUCT_DESC: 8-inch steel pipe through the levee 6.7 feet below the crown. A 4-inch PVC pipe is sleeved through the 8-inch pipe.					
Pump and gate valve in pump house on the waterward slope. (Johnson)					
O&M Manual SAC 104, February 1960.					
FS Date: 02/18/2014					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	11.57	Rating **	A/W	Issue No.	24
LM End	11.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.241300 °	38.241300 °
				-121.517073 °	-121.517073 °
DWR ID	DWR_RD0003_02_s _ 2012_24				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	11.58	Rating **	M	Issue No.	155
LM End	11.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.241412 °	38.241412 °
				-121.517027 °	-121.517027 °
DWR ID	DWR_RD0003_02_s _ 2015_155				
Action/Comments					
Landscaping					
Inspector Comments: Cactus on landward slope.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_155\_20150318\_00099.jpg



Looking southwest at cactus on landward slope and toe.

LM Start	11.64	Rating **	M	Issue No.	71
LM End	11.73	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.242035 °	38.243125 °
				-121.516134 °	-121.515229 °
DWR ID	DWR_RD0003_02_s _ 2012_71				
Action/Comments					
Building Inspector Comments: Walnut Grove, CA					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	11.76	Rating **	M	Issue No.	103
LM End	11.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.243347 °	38.244412 °
				-121.514785 °	-121.513665 °
DWR ID	DWR_RD0003_02_f_2013_103				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	11.81	Rating **	U	Issue No.	83
LM End	11.85	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.243915 °	38.244392 °
				-121.514254 °	-121.513740 °
DWR ID	DWR_RD0003_02_s_2012_83				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_83\_20150309\_00064.jpg



Looking northwest at dense landscaping on landside shoulder and slope.

LM Start	11.84	Rating **	M	Issue No.	134
LM End	11.84	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.241867 °	38.241867 °
				-121.516439 °	-121.516439 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30363 DS_ID:22290 EP_NO: 665 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 2.8 feet below the crown. Pump on pile structure in the channel, 5'X5' concrete distribution box at LS toe with meter on pole (Permit No. 665, 1938, E. Vollman). O&M Manual SAC 104, February 1960. FS Date: 02/18/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	11.84	Rating **	M	Issue No.	135
LM End	11.84	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.241872 °	38.241872 °
				-121.516433 °	-121.516433 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30353 DS_ID:22356 EP_NO: 16053 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space not grouted. FIELD_STRUCT_DESC: 2 of 4: 6-inch diameter galvanized iron conduit through the levee 3-feet below crown. 4-inch steel electrical conduit sleeved through the 6-inch. Electrical panel visible on LS toe(Permit No. 16053). FS Date: 02/18/2014					

No Photos

LM Start	11.84	Rating **	M	Issue No.	136
LM End	11.84	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.241869 °	38.241869 °
				-121.516436 °	-121.516436 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30352 DS_ID:22320 EP_NO: 16053 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space not grouted. FIELD_STRUCT_DESC: 1 of 4: 6-inch diameter GI conduit pipe through the levee 3 feet below the crown. 2-inch PVC and 1-inch PVC electrical conduits sleeved through 6-inch pipe.(Permit No. 16053). FS Date: 02/18/2014					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	11.84	Rating **	M	Issue No.	137
LM End	11.84	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.241876 °	38.241876 °
				-121.516428 °	-121.516428 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:30356 DS_ID:22357 EP_NO: 16053 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space not grouted. FIELD_STRUCT_DESC: 3 of 4: 6-inch diameter GI pipe through the levee 3-feet below the crown. a 4.5-inch PVC waterline is sleeved through the 6-inch conduit. a vent on the LS slope, and a backflow preventer with two shutoff valves visible on the WS shoulder. (Permit No. 16053). FS Date: 02/18/2014					

LM Start	11.90	Rating **	C	Issue No.	87
LM End	11.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.244933 °	38.244933 °
				-121.513140 °	-121.513140 °
DWR ID	DWR_RD0003_02_s_2013_87				

No Photos

Action/Comments					
Tree or limb Inspector Comments: Broken tree limb on landward slope.					

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	11.90	Rating **	M	Issue No.	86
LM End	11.90	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.244942 °	38.244942 °
				-121.513132 °	-121.513132 °
DWR ID	DWR_RD0003_02_s _ 2013_86				
Action/Comments					
Abandoned vehicles					
Inspector Comments: Abandoned vehicles and material on landward toe.					

Photo 1 of 2 : SP\_2015\_RD0003\_25\_86\_20150309\_00066.jpg



Looking southwest at abandoned vehicles and material on landward slope and toe.

LM Start	<b>11.90</b>	Rating **	M	Issue No.	<b>86 (cont)</b>
LM End	<b>11.90</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2015\_RD0003\_25\_86\_20150309\_00067.jpg



Looking northwest at abandoned vehicles on landward toe.

LM Start	11.99	Rating **	M	Issue No.	268
LM End	11.99	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.246022 °	38.246022 °
				-121.512328 °	-121.512328 °
DWR ID	DWR_RD0003_02_s _ 2012_268				
Action/Comments					
Ramp Inspector Comments: Landowner installed new ramp without board permit.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_268\_20150309\_00082.jpg



Looking northwest at new ramp on landside slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	11.99	Rating **	M	Issue No.	267
LM End	11.99	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.246025 °	38.246025 °
				-121.512327 °	-121.512327 °
DWR ID	DWR_RD0003_02_s_2012_267				
Action/Comments					
Fence					
Inspector Comments: Landowner installed a new fence on the landside of levee.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_267\_20150309\_00081.jpg



Looking northwest at new fence on landside shoulder and slope.

LM Start	12.01	Rating **	M	Issue No.	31
LM End	12.08	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.246310 °	38.247332 °
				-121.512157 °	-121.511773 °
DWR ID	DWR_RD0003_02_s_2012_31				
Action/Comments					
Landscaping					
Inspector Comments: Landscaping and new wooden fence on landside slope.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_31\_20150309\_00031.jpg



Looking west at dense landscaping on landside shoulder and slope.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	12.03	Rating **	M	Issue No.	138
LM End	12.03	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.243865 °	38.243865 °
				-121.514241 °	-121.514241 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:30345 DS_ID:22292 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Depression over pipe at crown may indicate pipe is failing. FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel irrigation pipe through the levee 5.0 feet below the crown. Pipe cutoff and filled with concrete on the WS slope. Pipe cutoff and open on waterward end. (Grand Island Farms) O&M Manual SAC 104, February 1960. FS Date: 02/18/2014					

LM Start	12.04	Rating **	M	Issue No.	269
LM End	12.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.246732 °	38.246732 °
				-121.511927 °	-121.511927 °
DWR ID	DWR_RD0003_02_s_2012_269				

Action/Comments					
Fence Inspector Comments: Landowner installed a new fence w/o permit.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_269\_20150309\_00083.jpg



Looking northwest at a new wooden fence on landside shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	12.11	Rating **	M	Issue No.	32
LM End	12.18	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.247788 °	38.248682 °
				-121.511695 °	-121.511657 °
DWR ID	DWR_RD0003_02_s _ 2012_32				
Action/Comments					
Landscaping Inspector Comments: Oleander partially blocking view of levee on landside slope.					

Photo 1 of 2 : SP\_2015\_RD0003\_25\_32\_20150318\_00100.jpg



Looking northwest at trimmed oleander partially blocking view of landward slope. (Spring 2015)

LM Start	12.11	Rating **	M	Issue No.	32 (cont)
LM End	12.18	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2015\_RD0003\_25\_32\_20150309\_00032.jpg



Looking northwest at oleander on landside shoulder. (Spring 2014)

LM Start	12.26	Rating **	A/W	Issue No.	25
LM End	12.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.249937 °	38.249937 °
				-121.511834 °	-121.511834 °
DWR ID	DWR_RD0003_02_s _ 2012_25				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	12.29	Rating **	U	Issue No.	34
LM End	12.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.250348 °	38.250808 °
				-121.511959 °	-121.512152 °
DWR ID	DWR_RD0003_02_s_2012_34				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_34\_20150309\_00033.jpg



Looking northwest at dense landscaping on landside shoulder.

LM Start	12.36	Rating **	M	Issue No.	139
LM End	12.36	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.248130 °	38.248130 °
				-121.511654 °	-121.511654 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30306 DS_ID:22296 EP_NO: 2383 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space should be grouted. No permit identified for pipes sleeved through irrigation pipe. FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee 4.0 feet below the crown. A 4-inch pipe is sleeved through the 6-inch pipe. 2-conduits sleeved through 4-inch; a 1-inch waterline and a 1.5-inch electrical conduit provide service to boat dock 210-feet upstream from pump location. Pump and gate valve on the waterward slope. (Permit No. 2383-Moser) FS Date: 02/18/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

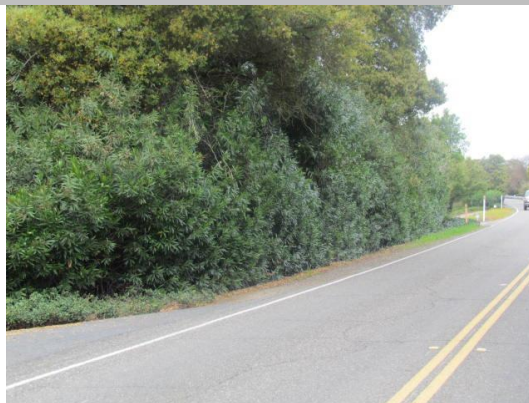
**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	12.38	Rating **	U	Issue No.	35
LM End	12.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.251463 °	38.251873 °
				-121.512458 °	-121.512678 °
DWR ID	DWR_RD0003_02_s_2012_35				
Action/Comments					
Landscaping					
Inspector Comments: Landscaping blocking view of landside slope.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_35\_20150309\_00034.jpg



Looking northwest at dense landscaping on landside shoulder and slope.

LM Start	12.51	Rating **	M	Issue No.	140
LM End	12.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.250168 °	38.250168 °
				-121.511907 °	-121.511907 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30305 DS_ID:22297 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump and pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 7-inch steel pipe through the levee 8.4 feet below the crown. Pump platform visible on WS slope. 1.5-inch steel electrical conduit at same location. (H. Town) O&M Manual SAC 104, February 1960. FS Date: 02/18/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	12.54	Rating **	U	Issue No.	37
LM End	12.63	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.253593 °	38.254590 °
				-121.513883 °	-121.514862 °
DWR ID	DWR_RD0003_02_s _ 2012_37				
Action/Comments					
Landscaping					
Inspector Comments: Dense landscaping on landside shoulder and slope.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_37\_20150309\_00035.jpg



Looking northwest at dense landscaping on landside shoulder and slope.

LM Start	12.76	Rating **	M	Issue No.	89
LM End	12.78	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.256056 °	38.256285 °
				-121.516334 °	-121.516567 °
DWR ID	DWR_RD0003_02_s _ 2013_89				
Action/Comments					
Landscaping					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	12.81	Rating **	M	Issue No.	141
LM End	12.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.254088 °	38.254088 °
				-121.514318 °	-121.514318 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40544					
DS_ID:22299					
EP_NO: 1376					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe abandoned and should be done so properly.					
Pipe rusted through at various locations.					
FIELD_STRUCT_DESC: 12-inch steel pipe through the levee 5.0 feet below the crown. Pump missing from WS slope and a steel plate is bolted over pipe end. 42-inch Concrete standpipe at the LS toe. 1.5-inch steel electrical conduit at same location (Gwerder) O&M Manual SAC 104, February 1960.					
FS Date: 02/18/2014					

No Photos

LM Start	12.93	Rating **	M	Issue No.	142
LM End	12.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.255430 °	38.255430 °
				-121.515672 °	-121.515672 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30286 DS_ID:22300 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. Vent broken off pipe on both shoulders. FIELD_STRUCT_DESC: 2-1/2-inch steel irrigation pipe through levee 4.2-feet below the crown. (Gwerder) O&M Manual SAC 104, February 1960. 1.5-inch steel irrigation pipe sleeved through 2.5-inch pipe to pumphouse off LS toe. FS Date: 02/18/2014					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	13.03	Rating **	U	Issue No.	82
LM End	13.06	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.258703 °	38.259003 °
				-121.520160 °	-121.520557 °
DWR ID	DWR_RD0003_02_s_2012_82				
Action/Comments					
Landscaping					
Inspector Comments: Dense landscaping blocking view of landside slope.					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_82\_20150309\_00063.jpg



Looking west at dense landscaping on landside shoulder and slope.

LM Start	13.36	Rating **	M	Issue No.	9
LM End	13.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.262125 °	38.262125 °
				-121.524405 °	-121.524405 °
DWR ID	DWR_RD0003_02_s_2012_9				
Action/Comments					
Stairway Inspector Comments: Landowner installed unauthorized stairs on landside slope.					

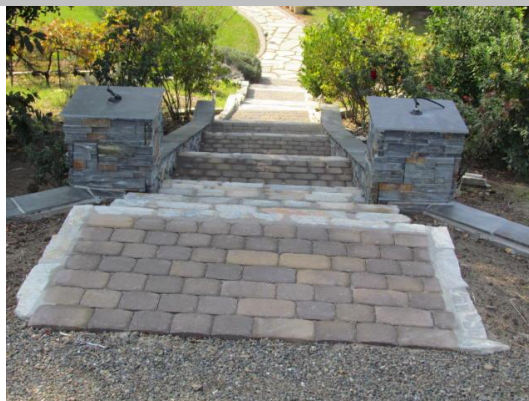
Photo 1 of 2 : SP\_2015\_RD0003\_25\_9\_20150309\_00009.jpg



Looking northwest at stairs on landside slope.

LM Start	<b>13.36</b>	Rating **	M	Issue No.	<b>9 (cont)</b>
LM End	<b>13.36</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2015\_RD0003\_25\_9\_20150309\_00010.jpg



Looking west at stairs on landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	13.70	Rating **	U	Issue No.	161
LM End	13.70	Issue Type +	En	Location *	LS
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			38.265470 °	38.265470 °
				-121.528788 °	-121.528788 °
DWR ID	DWR_RD0003_02_s _ 2015_161				
Action/Comments					
Inspector Comments: Pipe should be properly abandoned and or removed.					

Photo 1 of 3 : SP\_2015\_RD0003\_25\_161\_20150318\_00102.jpg



Looking west at metal irrigation pipe and electrical conduits on landward slope.

LM Start	<b>13.70</b>	Rating **	U	Issue No.	<b>161 (cont)</b>
LM End	<b>13.70</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : SP\_2015\_RD0003\_25\_161\_20150318\_00101.jpg



Looking west at metal irrigation pipe and electrical conduits on landward slope.

LM Start	<b>13.70</b>	Rating **	U	Issue No.	<b>161 (cont)</b>
LM End	<b>13.70</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP\_2015\_RD0003\_25\_161\_20150318\_00103.jpg



Looking east at electrical conduits on waterward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	13.73	Rating **	A/W	Issue No.	90
LM End	13.73	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.265763 °	38.265763 °
				-121.529158 °	-121.529158 °
DWR ID	DWR_RD0003_02_s _ 2013_90				
Action/Comments					
Landscaping					

No Photos

LM Start	13.90	Rating **	A/W	Issue No.	27
LM End	13.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees				o
					o
DWR ID	DWR_RD0003_02_s _ 2012_27				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	13.94	Rating **	M	Issue No.	143
LM End	13.94	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.265474 °	38.265474 °
				-121.528819 °	-121.528819 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41585					
DS_ID:22306					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Steel plate broken and pipe open on WS slope. Pipe abandoned and should be done so properly.					
FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel pipe through the levee 6.0 feet below the crown. Steel plate welded on the waterward end by USCE 1969, Unit 15. O&M Manual SAC 104, February 1960.					
FS Date: 02/18/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	13.94	Rating **	M	Issue No.	144
LM End	13.94	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.265479 °	38.265479 °
				-121.528825 °	-121.528825 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30204					
DS_ID:22307					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Abandoned and should be done so properly as it is open on both ends.					
FIELD_STRUCT_DESC: Abandoned 2-inch pipe through the levee 5.5 feet below the crown. Open on both ends. by USCE 1969, Unit 15.					
FS Date: 02/18/2014					

No Photos

LM Start	13.96	Rating **	A/W	Issue No.	33
LM End	13.96	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.267991 °	38.267991 °
				-121.532340 °	-121.532340 °
DWR ID	DWR_RD0003_02_s_2012_33				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	14.12	Rating **	M	Issue No.	50
LM End	14.15	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.269642 °	38.269882 °
				-121.534540 °	-121.534863 °
DWR ID	DWR_RD0003_02_s_2012_50				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_50\_20150309\_00040.jpg



Looking west at landscaping on landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	14.12	Rating **	M	Issue No.	145
LM End	14.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.267355 °	38.267355 °
				-121.531262 °	-121.531262 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30203 DS_ID:22308 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion next to pipe on LS slope. FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee 3-feet below the crown. 14-inch pipe sleeved through the 16-inch and a 1.5-inch steel electrical conduit at the same location. Slant Pump on WS slope and a filter plant at the LS toe. O&M Manual SAC 104, February 1960. FS Date: 02/14/2014					

No Photos

LM Start	14.23	Rating **	M	Issue No.	91
LM End	14.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.270703 °	38.270703 °
				-121.535938 °	-121.535938 °
DWR ID	DWR_RD0003_02_s_2013_91				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	14.61	Rating **	M	Issue No.	93
LM End	14.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.274492 °	38.274898 °
				-121.541022 °	-121.541533 °
DWR ID	DWR_RD0003_02_s_2013_93				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2015

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	14.69	Rating **	M	Issue No.	72
LM End	14.84	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.275256 °	38.276857 °
				-121.542099 °	-121.543988 °
DWR ID	DWR_RD0003_02_s_2012_72				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_72\_20150309\_00053.jpg



Looking northwest at dense landscaping on landside shoulder and slope.

LM Start	14.73	Rating **	U	Issue No.	146
LM End	14.73	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.273322 °	38.273322 °
				-121.539311 °	-121.539311 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30171 DS_ID:24791 EP_NO: 15814 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Signs should be installed on levee to indicate presence of gasline FIELD_STRUCT_DESC: 4.5-inch steel gasline through the levee 60.5-feet below the crown. Permit No. 15814, Benton Oil and Gas, 1991. Drawings available in Permit. FS Date: 02/14/2014					

No Photos

LM Start	14.96	Rating **	M	Issue No.	53
LM End	15.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.278237 °	38.278930 °
				-121.545405 °	-121.546218 °
DWR ID	DWR_RD0003_02_s_2012_53				
Action/Comments					
Landscaping					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	15.15	Rating **	M	Issue No.	147
LM End	15.15	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.277619 °	38.277619 °
				-121.544705 °	-121.544705 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30164 DS_ID:22370 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe abandoned and should be verified as having been done so properly. FIELD_STRUCT_DESC: *ABANDONED* 7-inch pipe through the levee 4.6 feet below the crown. (Green) 1.5-inch electrical conduit at the same location. Depression in line with pumphouse on WS good indicator of pipe location. 36-inch concrete standpipe on LS toe. FS Date: 02/14/2014					

No Photos

LM Start	15.15	Rating **	M	Issue No.	148
LM End	15.15	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.277631 °	38.277631 °
				-121.544718 °	-121.544718 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30165 DS_ID:22369 EP_NO: 919 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee 3.8 feet below the crown. Pump and gate valve in pump house at the landward toe. Possibly installed under Permit No. 919. (Green and Kerchavel). 2-inch filler pipe at the same location 3-feet below the crown. O&M Manual SAC 104, February 1960. FS Date: 02/14/2014					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	15.28	Rating **	M	Issue No.	94
LM End	15.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.281505 °	38.282957 °
				-121.549645 °	-121.552260 °
DWR ID	DWR_RD0003_02_s_2013_94				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	15.51	Rating **	U	Issue No.	149
LM End	15.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.281302 °	38.281302 °
				-121.549338 °	-121.549338 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42870 DS_ID:22371 EP_NO: 7082 Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe rusted through on WS slope. Appears abandoned and should be done so properly. Erosion of WS slope under pipe on WS toe. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee 7.0 feet below the crown. Slant pump next to old pump house on waterward slope. (Permit No. 7082-Pacific Fruit Farms Permit was for replacing pipe, permit was cancelled. 4'X8' concrete distribution box on LS toe. Original pipe remains, 1974) O&M Manual SAC 104, February 1960. 2-inch filler pipe at same location. FS Date: 02/14/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	15.58	Rating **	U	Issue No.	79
LM End	15.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.284124 °	38.285129 °
				-121.554084 °	-121.555342 °
DWR ID	DWR_RD0003_02_s _ 2012_79				
Action/Comments					
Landscaping					

Photo 1 of 2 : SP\_2015\_RD0003\_25\_79\_20150309\_00059.jpg



Looking northwest at dense landscaping on landside shoulder and slope.

Photo 2 of 2 : SP\_2015\_RD0003\_25\_79\_20150309\_00060.jpg



Looking south at landscaping on levee slope and toe obstruct access and visibility.

LM Start	15.69	Rating **	A/W	Issue No.	95
LM End	15.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.285317 °	38.285605 °
				-121.555452 °	-121.555810 °
DWR ID	DWR_RD0003_02_s _ 2013_95				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	15.97	Rating **	M	Issue No.	150
LM End	15.97	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.285491 °	38.285491 °
				-121.555625 °	-121.555625 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30084 DS_ID:22334 EP_NO: 2137 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. Leak apparent at pipe connection to concrete standpipe at LS toe. Good candidate for video inspection. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through levee, 9.0-feet below the crown. Slant Pump on WS slope. a 44-inch concrete standpipe on LS toe. 1.5-inch electrical conduit at same. Filter plant at toe. Installed under Permit No. 2137, 1955. O&M Manual SAC 104, February 1960. FS Date: 02/14/2014					

No Photos

LM Start	15.97	Rating **	M	Issue No.	151
LM End	15.97	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.285500 °	38.285500 °
				-121.555635 °	-121.555635 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30083 DS_ID:22375 EP_NO: 7356 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe debris on WS slope. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 6.5-feet below crown. 8-inch pipe on the LS and 6-inch on WS slope. Pump and gate valve on the waterward slope. (Permit No. 7356-Pacific Fruit Farms) USCE 1969, Unit 15. FS Date: 02/14/2014					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	16.04	Rating **	M	Issue No.	75
LM End	16.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.289126 °	38.289126 °
				-121.559631 °	-121.559631 °
DWR ID	DWR_RD0003_02_s_2014_75				
Action/Comments					
Tank Inspector Comments: Tank is located next to irrigation system on landside slope.					

Photo 1 of 2 : SP\_2015\_RD0003\_25\_75\_20150309\_00054.jpg



Looking west at tank next to pump house on landward slope.

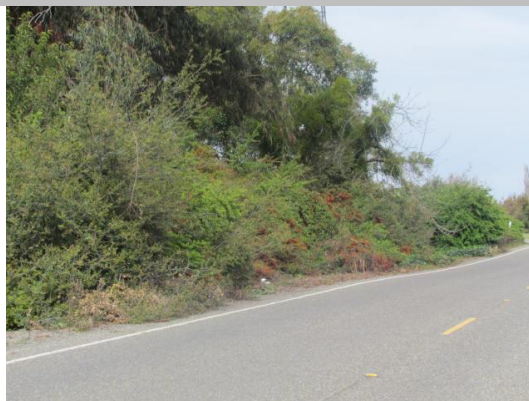
Photo 2 of 2 : SP\_2015\_RD0003\_25\_75\_20150309\_00055.jpg



Looking southwest at tank on landside slope.

LM Start	16.20	Rating **	U	Issue No.	60
LM End	16.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.290742 °	38.291390 °
				-121.561575 °	-121.562268 °
DWR ID	DWR_RD0003_02_s_2012_60				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_60\_20150309\_00047.jpg



Looking west at dense landscaping on landside shoulder and slope.

\* Location  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* Rating  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	16.30	Rating **	M	Issue No.	152
LM End	16.30	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.289098 °	38.289098 °
				-121.559597 °	-121.559597 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:30004 DS_ID:22376 EP_NO: 17382 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Tank on LS slope not listed in permit. FIELD_STRUCT_DESC: 12-inch steel irrigation siphon pipe through the levee 10-feet below the crown. Pump and butterfly valve in pump house at the landward toe. Siphon breaker on WS slope. Tank on LS slope (Permit No. 17382, 2002, T.Ferreira) FS Date: 02/14/2014					

No Photos

LM Start	16.54	Rating **	M	Issue No.	28
LM End	16.63	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.294757 °	38.295730 °
				-121.565376 °	-121.566295 °
DWR ID	DWR_RD0003_02_f_2014_28				
Action/Comments					
Inspector Comments: 1997 - Erosion of supper sandy levee material above the water line, straight reach. 1999 - Small pocket repaired with rock. 2005 - Downstream 400 ft have been repaired. 2011 - Site is overgrown with vegetation. 2013: No observed changes. [2013 Site ID: SAC_31-6_R]					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_28\_20150309\_00026.jpg



USACE 2013 Photo #1

LM Start	16.58	Rating **	M	Issue No.	77
LM End	16.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.295082 °	38.295395 °
				-121.566037 °	-121.566232 °
DWR ID	DWR_RD0003_02_s_2012_77				
Action/Comments					
Landscaping					

Photo 1 of 1 : SP\_2015\_RD0003\_25\_77\_20150309\_00057.jpg



Looking west at landscaping on landside shoulder and slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	16.61	Rating **	M	Issue No.	153
LM End	16.61	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.292413 °	38.292413 °
				-121.563301 °	-121.563301 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:29986					
DS_ID:22378					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: siphon breaker on LS slope should have CMP riser protection.					
FIELD_STRUCT_DESC: 16-inch steel pipe through the levee 8.0-feet below the crown. Slant pump on the waterward slope. Siphon breaker on the landward slope. 44-inch concrete standpipe on LS toe, 2-inch aluminum electrical conduit at same location as pipe (T. Ferreria)					
USCE 1967, Unit No. 6. O&M Manual SAC 104, February 1960.					
FS Date: 02/14/2014					

No Photos

LM Start	16.74	Rating **	U	Issue No.	163
LM End	16.74	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.293883 °	38.293883 °
				-121.564784 °	-121.564784 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42871					
DS_ID:22380					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Apparent sinkhole over pipe at crown. Appears abandoned and should be done so properly.					
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 3.7 feet below the crown. Pump and gate valve on pier at waterside slope. 44-inch concrete standpipe on LS toe. 1.5-inch electrical conduit at same location. O&M Manual SAC 104, February 1960.					
FS Date: 02/14/2014					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	03/17/2015 03/17/2015	Richard Willoughby

LM Start	16.91	Rating **	M	Issue No.	162
LM End	16.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.299066 °	38.299650 °
				-121.569477 °	-121.569957 °
DWR ID	DWR_RD0003_02_s _ 2015_162				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2015 Levee Inspection Results**

**Reclamation District No. 0003 Grand Island**

Waterway			Bank	Unit Miles
Unit No. 03 Cross Levee				0.43
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/17/2015 - 03/17/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cross Levee		0.43	03/17/2015 03/17/2015	Richard Willoughby

LM Start	0.02	Rating **	C	Issue No.	1		
LM End	0.02	Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Encroachments				°		°
					°		°
DWR ID	DWR_RD0003_03_f_2013_1						
Action/Comments							
Garbage							
Inspector Comments: Old corrugated pipe on waterward slope.							

No Photos

LM Start	0.06	Rating **	A/W	Issue No.	3
LM End	0.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.181427 °	38.181427 °
				-121.653622 °	-121.653622 °
DWR ID	DWR_RD0003_03_s_2013_3				
Action/Comments					
Repair slope instability. Inspector Comments: LMA repaired slope damage on landward shoulder and slope.					

Photo 1 of 3 : SP\_2015\_RD0003\_610\_3\_20150318\_00005.jpg



Looking east at repaired site on landward shoulder and slope.

Photo 2 of 3 : SP\_2015\_RD0003\_610\_3\_20150309\_00002.jpg



Looking east at depression on landward slope.

LM Start	<b>0.06</b>	Rating **	A/W	Issue No.	<b>3 (cont)</b>
LM End	<b>0.06</b>	Issue Type +	Ma	Location *	LS

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cross Levee		0.43	03/17/2015 03/17/2015	Richard Willoughby

LM Start	0.06	Rating **	A/W	Issue No.	3 (cont)	
LM End	0.06	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.181427 °		38.181427 °
				-121.653622 °		-121.653622 °
DWR ID	DWR_RD0003_03_s _ 2013_3					
Action/Comments						
Repair slope instability. Inspector Comments: LMA repaired slope damage on landward shoulder and slope.						

Photo 3 of 3 : SP\_2015\_RD0003\_610\_3\_20150309\_00003.jpg



Looking north on depression on landward slope.

LM Start	0.07	Rating **	M	Issue No.	4
LM End	0.43	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.181223 °	38.176118 °
				-121.653617 °	-121.653765 °
DWR ID	DWR_RD0003_03_s _ 2013_4				
Action/Comments					
Add appropriate gravel or road base. Grade and compact.					

No Photos

LM Start	0.15	Rating **	M	Issue No.	5
LM End	0.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.180150 °	38.179722 °
				-121.653645 °	-121.653663 °
DWR ID	DWR_RD0003_03_s _ 2013_5				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cross Levee		0.43	03/17/2015 03/17/2015	Richard Willoughby

LM Start	0.25	Rating **	M	Issue No.	6
LM End	0.29	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.178635 °	38.178037 °
				-121.653695 °	-121.653715 °
DWR ID	DWR_RD0003_03_s _ 2013_6				
Action/Comments					
Material					
Inspector Comments: Stockpile of rip rap, concrete rubble and sandpile on waterward slope.					

Photo 1 of 1 : SP\_2015\_RD0003\_610\_6\_20150309\_00004.jpg



Looking east at concrete rubble and other material stored on landward shoulder and slope.

LM Start	0.36	Rating **	A/W	Issue No.	7
LM End	0.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.177028 °	38.177028 °
				-121.653758 °	-121.653758 °
DWR ID	DWR_RD0003_03_s _ 2013_7				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Willows on landward slope and toe.					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement